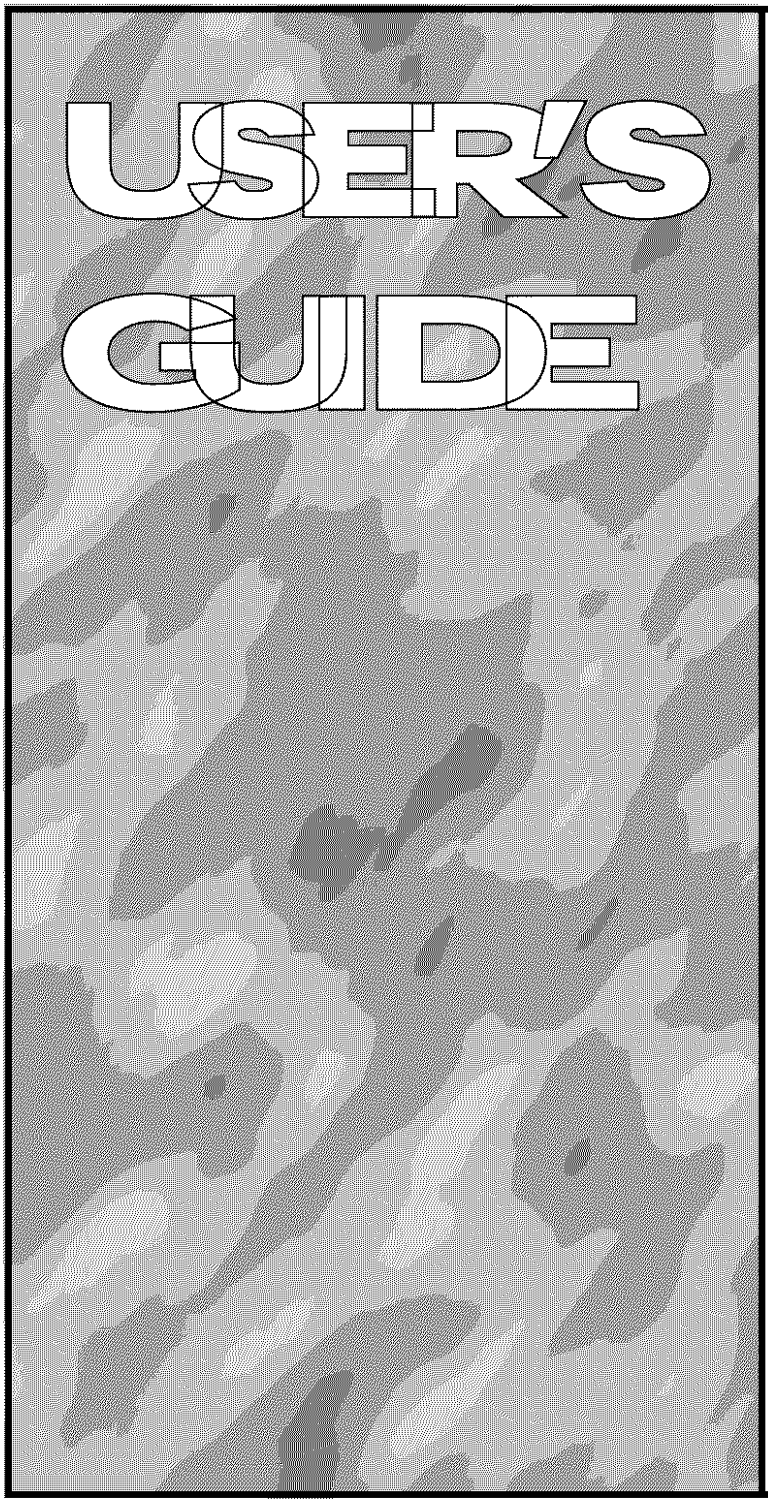
RCA

USER'S GUIDE



IMPORTANT INFORMATION

WARNING

To reduce the risk of fire or shock hazard, do not expose this TV to rain or moisture.

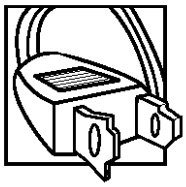
WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN

To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.

This symbol indicates important instructions accompanying the product.

Cautions



CAUTION: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

ATTENTION: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqú au fond.

ATTENCIÓN: Para evitar decargas elétricas, no utilice el enchufe polarizado en este aparato de TV con un cable de extensión, receptáculo u otra toma, a menos que las dos hojas se puedan conectar totalmente no quede ninguna expuesta. Haga coincidir la hoja ancha del enchufe con la ranura anche e introdúzcala totalmente.

Refer to the identification/rating label located on the back panel of your product for its proper operating voltage.

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Caution: If fixed (non-moving) images are left on the screen for long periods, they may be permanently imprinted on the picture tube. Such images include network logos, phone numbers, and video games. This damage is not covered by your warranty. Extended viewing of channels displaying these images should be avoided.

Note to Cable TV Installer

This reminder is provided to call your attention to Article 820-40 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Product Registration

Please fill out the product registration card and return it immediately. Returning the card allows us to contact you if needed.

Keep your sales receipt to obtain warranty parts and service and for proof of purchase. Attach it here and record the serial and model numbers in case you need them. The numbers are located on the back of the television.

Model No. _____

Serial No. _____

Purchase Date: _____

Dealer/Address/Phone: _____

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QUICK GUIDE TO THE TV

STARTUP

The steps below will get your TV connected and ready for watching. For more details, refer to the sections listed.

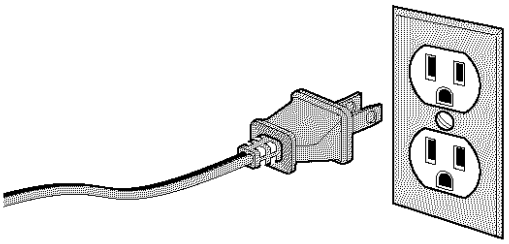
CAUTION:

If you choose to use a stand with your TV, take precautions that the stand or other furniture the TV is placed on is properly located and of adequate size and strength to prevent the TV from accidentally being tipped over, pushed off, or pulled off. This could cause damage to the TV and/or personal injury.

1. Hook up Your TV

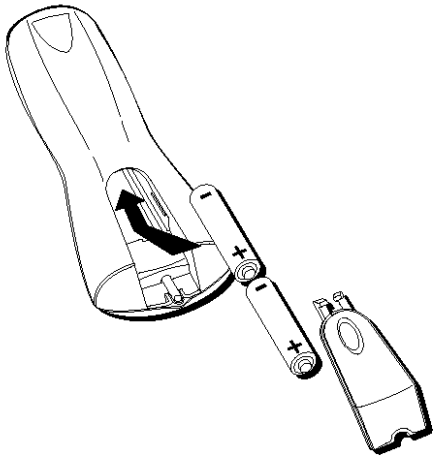
See the "Connections" section for details.

Hook up any antennas, cables or other equipment to your TV before you follow the steps below.



2. Plug in the TV

Plug the cord into the outlet, matching the wide and the small end of the plug with the outlet. Note: your plug may look different than the one pictured here.



3. Obtain a Master Remote

A master remote (CRK17TD1) is required for setup of many of the TV's features. Most of the operating instructions in this manual are explained using the master remote . (A master remote can be purchased from your distributor. See the "Using the Remote" section for details.)

4. Put Batteries in the Remote

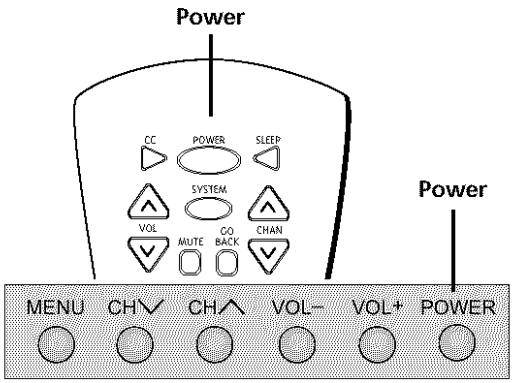
1. Pull off the cover of the battery compartment.
2. Place the two AAA batteries into the remote as shown at right, matching the + and – end of each battery in the compartment.
3. Replace the cover.

5. Turn on the TV

Press POWER on the remote.

OR

Press POWER on the TV.



QUICK GUIDE TO THE TV

6. Use Point and Select

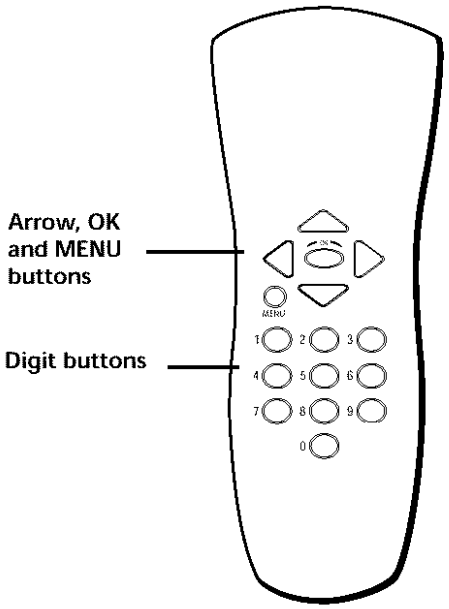
You only need to know one rule when using the remote to access on-screen menus and control panels: point and select. The point and select method has two steps.

1. **Point** to a menu item using the arrow buttons on the remote.

   To point up or down, press the up or down arrows. To point left or right, press the left or right arrows.

2. **Select** a menu item by pressing MENU or OK.

   Selecting an item tells the TV's menu system to go ahead and make the change or go to the place you have indicated. To quickly select a numbered menu option, just press the corresponding digit button on the remote control.



7. Place All Available Channels Into Memory

See the Channel Menu portion of the "Master Menus" section for details.

1. Press MENU on the remote control, then select *Channel Menu,* then *Auto Channel Search.*
2. Select which channel list you'd like to find channels for (List A is the default).

8. Set the Time

To set the time, select automatic setting of the time, or to prevent viewers from accessing the Current Time and Schedule functions, see the Time and Timers Menu portion of the "Master Menus" section.

If the control panel is not set to the current time, use the arrow and digit buttons on the remote control to make changes.

You can also enter numbers by using the up and down arrows on the remote.

9. Use the Clone Box

If several TVs need to be programmed with the same menu settings, an optional clone box can be used to copy all of the menu settings from one TV into other TVs to reduce installation time. Information can be both downloaded to and uploaded from the clone box using the DSCI port on the TV's back panel. Refer to the clone box owner's manual for operating instructions.

Your setup is complete! Please read the "Understanding the Menus" description that follows before customizing menu options. Instructions on operating more advanced features are given throughout the rest of this manual.

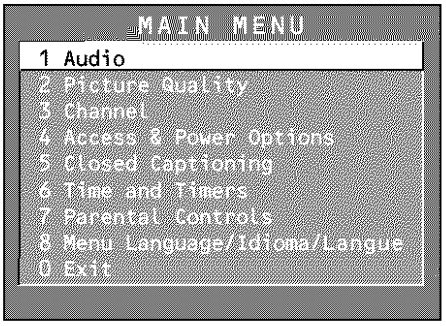
QUICK GUIDE TO THE TV

UNDERSTANDING THE MENUS

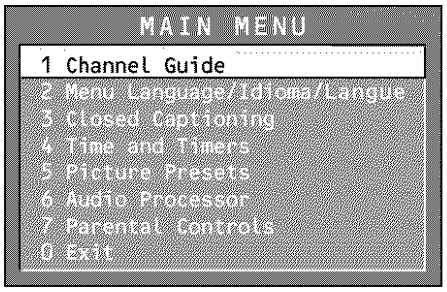
This television displays two levels of menu system: master and basic. Which one is displayed, and what options are available, change according to which controls (master or basic remote, front panel) are being used and what limits have been set in the master menu.

The master menus are accessible by pressing MENU on the master remote (CRK17TD1). The master Main menus are blue and will always display the same choices, shown at right.

The basic menus are green and are accessible by pressing MENU on a basic remote (CRK17TC1 or other remote) or the front panel. The choices available on the basic menus and control panels will vary depending on limits set by the master user. For more information on the effects of master user choices on the basic menu and basic user functionality, see the "Basic Menus" section and the description of the Access and Power Options menu in the "Master Menus" section.



The master Main menu (blue).



The basic Main menu (green). The choices available in this menu will change according to limits set by the master user.

USING MASTER AND BASIC MENUS

Menus and choice lists use the point and select rule to navigate, but control panels use a variety of methods to adjust features on your TV. The following pages detail how to use these controls to customize the functions of your TV.

The first menu is called the Main menu. Press MENU on the remote (master remote for master menu; basic or universal remote for basic menu) or on the front panel (basic menu) to bring up the Main menu:

Menu choices take you to another menu or a control panel. There are two ways to select a choice in a menu:

- Point with the arrows and then select with MENU or OK.
- Press a number button on the remote. For example, in the master Main menu press 3 to go straight to the Channel menu.

Exiting a menu

There are three ways to exit a menu. Not all methods work in all menus:

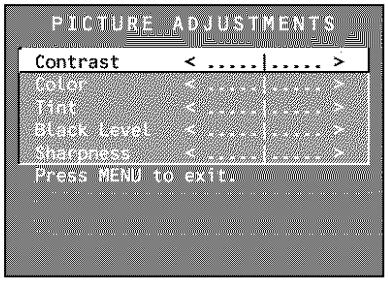
- Point to *Exit* and press MENU or OK.
- Press 0 on the remote.
- Press CLEAR. The on-screen displays are cleared from the screen and you return to TV viewing.

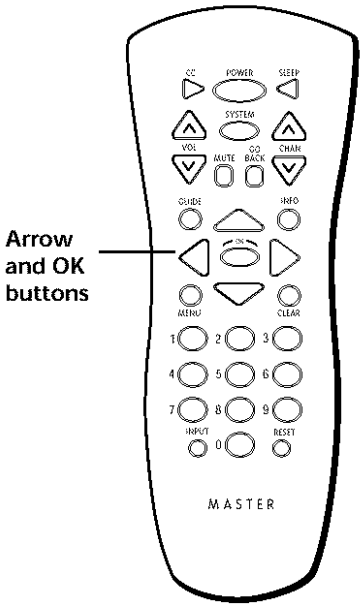
QUICK GUIDE TO THE TV

Sliders

Sliders are used to make adjustments to a particular control. To use a Slider in a menu:

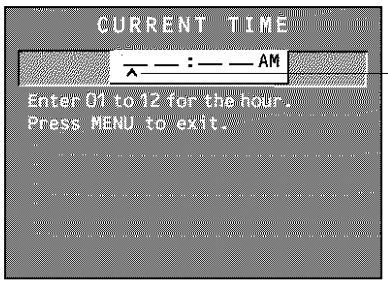
1. Press the up or down arrow to select the slider control for the feature you want to adjust.
2. Press the right or left arrow to adjust the indicator line on the slider.





Numeric Entry

A numeric entry control panel is used to enter numbers or letters. A pointer appears underneath the column you are changing.



1. Use the digits to enter a number in the column above the pointer.
2. Press the right arrow to move to the next column, then use the digits to enter a number.
3. When you have finished entering information, press MENU or OK.

Choice Lists

Choice lists are used to choose a particular setting from a list. When the choice list appears, the highlighted item is the one that is currently selected, or "in use."

Point to a choice on a menu and press MENU or OK to select that choice. Press the corresponding digit button on the remote to highlight and select in one step. You will then return to the previous screen.

Now that you know how to access the menus and adjust the control panels, the rest of this manual provides explanations of master and basic menu items, organized in order of their location on the Main menu.

USING THE REMOTE

TYPES OF REMOTES

Master setup remote controls, basic remotes, hospital-type remotes and universal remotes are available from your RCA distributor. Descriptions of the remote buttons and how they work are on the next pages. Except as otherwise specified, the master remote is the remote described throughout the manual for operating the TV and setting up the TV's features.

Master Setup Remotes

The master remote (CRK17TD1) allows control of all of the TV's menus. It is used to customize the TV's functionality for specific users or specific situations.

Basic Remotes

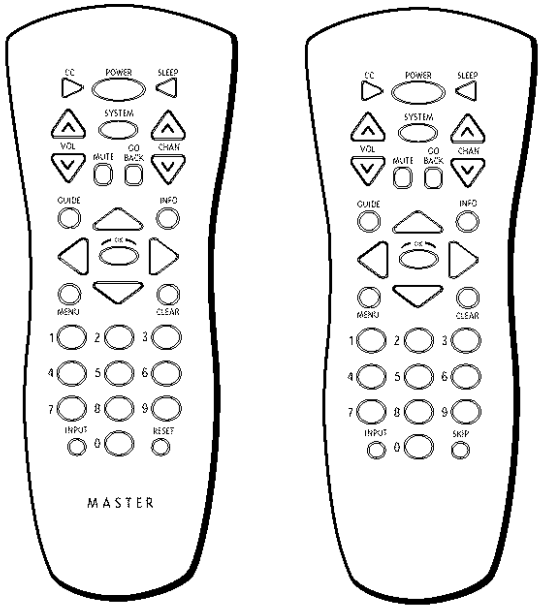
The basic remote (CRK17TC1) is used by the viewer for basic operating functions. It is designed so that the viewer cannot alter certain master remote-specified features. The Sleep, Closed Captioning, and Channel Guide features can be accessed directly with remote buttons.

Hospital-Type Remotes

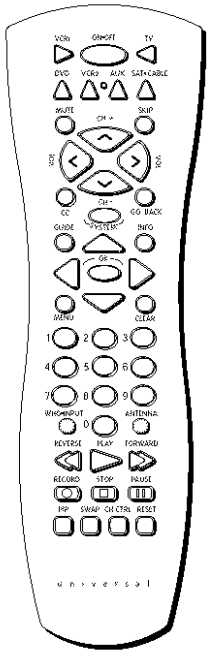
These specialized remotes, UL-recognized for use in patient beds, are available through your RCA distributor. Some offer simple, single-button operation of the TV; others have enhanced capability for greater control. Specific models and requirements depend upon what other devices might also be in the room, such as nurse-call systems. See your distributor for more information.

Universal Remotes

These remote controls offer basic control of the television within the limits specified through the master remote (i.e., with the same limitations as the CRK17TC1). In addition, they can be programmed to control other components (such as VCRs). These remotes are available from your RCA distributor.



Master Remote CRK17TD1 *Basic Remote CRK17TC1*



Universal Remote CRK76TK1

If you cannot locate your remote you can use the front panel of your TV to operate the TV's basic features. See the "References" section for more information.

USING THE REMOTE

MASTER REMOTE BUTTONS (CRK17TD1)

CC (Closed Captioning)

Brings up the Closed Captioning Display. Subsequent presses change the display mode.

POWER

Turns the TV on or off.

SLEEP

Displays the Sleep Timer control panel, which allows the user to set a time for the TV to turn itself off.

VOL
(Volume up or down)

Raises and lowers sound (unless Volume Hold is on) and displays the Volume Control slider.

SYSTEM

This button allows the remote to change between TV1 and TV2 mode. It also allows access to system-defined functionality, when available. See the description later in this section for more details.

CHAN
(Channel up or down)

Scans up and down through channels in the TV's memory.

MUTE

Turns the TV sound to its minimal level.

GO BACK

Tunes the TV to the last selected channel or video input and displays the Status Display.

GUIDE

Displays or clears the Channel Guide (during normal TV viewing only).

Arrow buttons and OK

Use the arrow buttons to highlight your choices and navigate within the menu system. Use the OK button to select your choice.

INFO

Displays or clears the Status Display.

MENU

Brings menus to the screen and moves from menu to menu.

CLEAR

Clears menus and displays from the screen.

Digit Buttons (0-9)

Selects any channel number or numbered menu option.

Two digits must be pressed for each channel. Press 0 then 6 for channel 6.

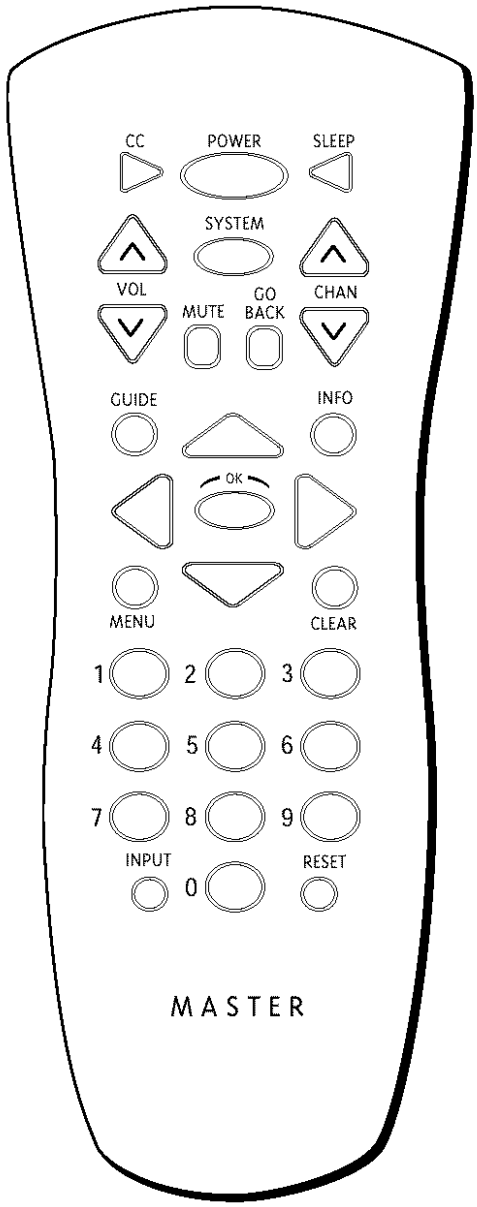
For three digit channels, press and hold 1 until 1-- appears on the screen. Then press the other two digits.

INPUT

Switches between TV (channels 01-125) and other available inputs. See the description later in this section for more details.

RESET

Returns the picture to the original settings and displays the Picture Presets choice list.



USING THE REMOTE

BASIC REMOTE BUTTONS (CRK17TC1)

CC (Closed Captioning)

Brings up the Closed Captioning Display. Subsequent presses change the display mode.

POWER
Turns the TV on or off.

SLEEP

Displays the Sleep Timer control panel, which allows the user to set a time for the TV to turn itself off.

VOL
(Volume up or down)

Raises and lowers sound (unless Volume Hold is on) and displays the Volume Control slider.

SYSTEM

This button allows the remote to change between TV1 and TV2 mode. It also allows access to system-defined functionality, when available. See the description later in this section for more details.

CHAN
(Channel up or down)
Scans up and down through channels in the TV's memory.

MUTE
Turns the TV sound to its minimal level.

GO BACK

Tunes the TV to the last selected channel or video input and displays the Status Display.

GUIDE

Displays or clears the Channel Guide (during normal TV viewing only).

Arrow buttons and OK

Use the arrow buttons to highlight your choices and navigate within the menu system. Use the OK button to select your choice.

INFO

Displays or clears the Status Display.

MENU
Brings menus to the screen and moves from menu to menu.

CLEAR
Clears menus and displays from the screen.

Digit Buttons (0-9)

Selects any channel number or numbered menu option.

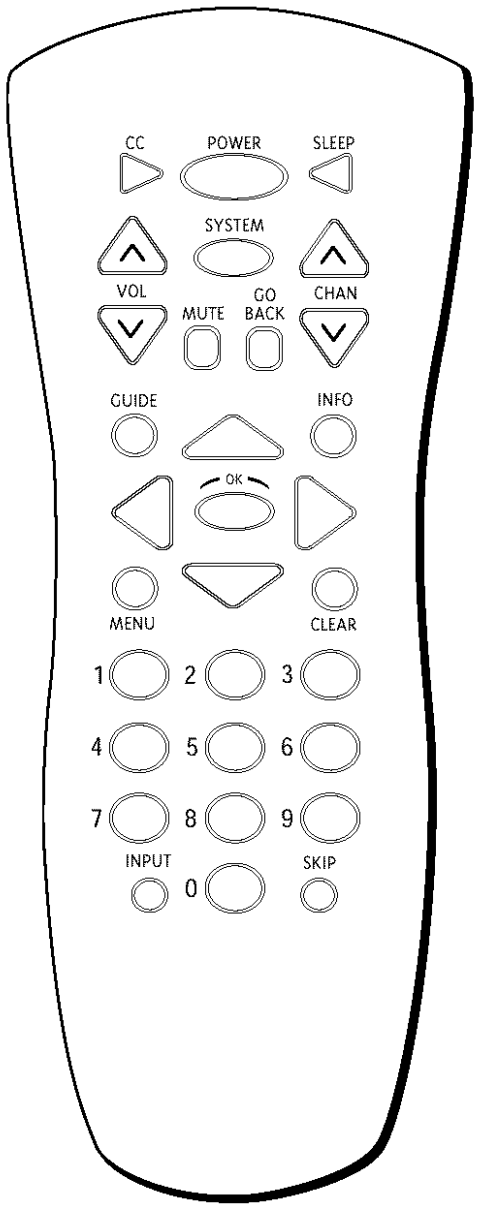
Two digits must be pressed for each channel. Press 0 then 6 for channel 6.

For three digit channels, press and hold 1 until 1-- appears on the screen. Then press the other two digits.

INPUT
Switches between TV (channels 01-125) and other available inputs. See description later in this section for more details.

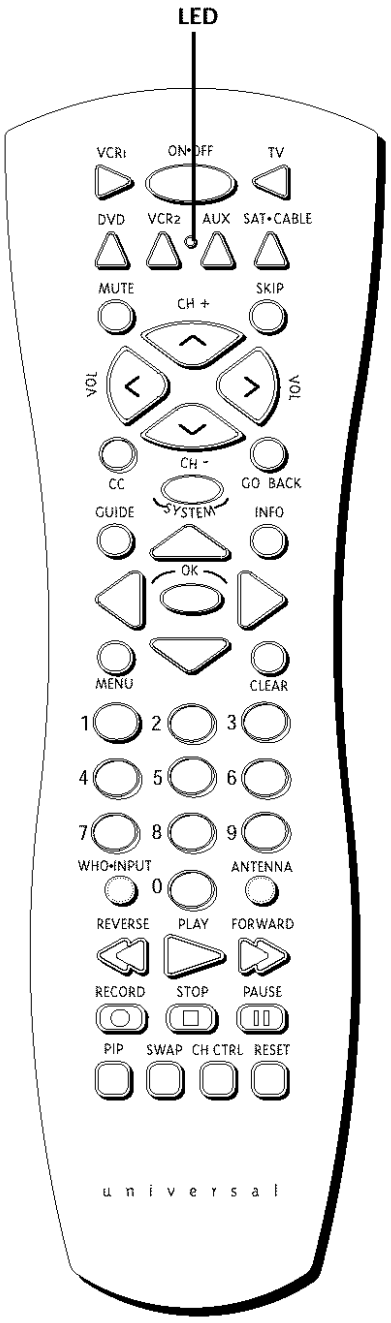
SKIP (Commercial Skip)

If you press this button before you change the channel, the TV waits 30 seconds then takes you back to the original channel. Each press adds 30 seconds to the skip time. Press CLEAR to cancel. Also functions as RESET in some menus.



USING THE REMOTE

UNIVERSAL REMOTE BUTTONS (CRK76TK1)



ON• OFF Turns the device you are controlling on or off. When pressed twice within two seconds, all devices that are on will be turned off (this feature only works with most RCA, PROSCAN, and GE products). You can also use the ON•OFF button on the front panel of the TV to turn it on or off.

VCR When programmed, tells the remote to control the VCR.

TV Tells the remote to control the TV.

DVD Tells the remote to control the DVD player. Note that this button is only functional with GE, RCA, and PROSCAN DVD players.

VCR2 When programmed, tells the remote to control a second VCR.

LED This light turns red at each valid button press. When programming the remote control, it flashes or turns on or off to indicate programming status.

AUX Acts as a "wildcard" button. It can be programmed to control another VCR, TV, satellite receiver or cable box. Or, it can be programmed to control an RCA, GE, or PROSCAN audio device. Follow the direct entry programming instructions, later in this section, to program this button.

DIRECTV When programmed, tells the remote to control the digital satellite receiver.

MUTE When programmed, reduces the TV's volume to its minimum level. Press again to restore the volume.

SKIP (Commercial Skip) If you press this button before you change the channel, the TV waits 30 seconds then takes you back to the original channel. Each press adds 30 seconds to the skip time. Press CLEAR to cancel. Also functions as RESET in some menus.

CH + (up) /- (down) Use to scan up and down through the channels in the current channel list. You can also use the CH +/- buttons on the TV's front panel to change the channel.

VOL < (down) and > (up) Adjusts the audio volume of the TV.

CC (Closed Captioning) Brings up the Closed Captioning Display. Subsequent presses change the display mode.

SYSTEM This button allows the remote to change between TV1 and TV2 mode. It also allows access to system-defined functionality, when available. See the description later in this section for more details.

GO BACK Moves you back and forth between the last two selected channels. In the menu system, returns you to the previous screen.

GUIDE Displays or clears the Channel Guide (during normal TV viewing only).

INFO Displays or clears the Status Display.

Some buttons on universal and basic remotes have different names, but the same function. A list of such buttons follows:

CRK17TC1	CRK76TK1
ON• OFF	POWER
WHO• INPUT	INPUT

USING THE REMOTE

Arrows Use the navigation arrows to move the on-screen highlight up, down, left, or right. Using the arrows to highlight a menu item is also called "pointing."

OK Selects the highlighted choice.

MENU Displays the basic Main menu. If you are already in the menu system, press OK or MENU to select a highlighted choice. When you are using the remote control to operate an RCA, GE, or PROSCAN VCR (and the remote is in VCR mode), the MENU button functions as a PROGRAM button.

CLEAR Removes the on-screen displays and returns you to normal viewing.

Digit Buttons (0 - 9) Selects any channel number or numbered menu option. Two digits must be pressed for each channel. Press 0 then 6 for channel 6. For three digit channels, press and hold 1 until 1-- appears on the screen. Then press the other two digits.

WHO• INPUT Scrolls through possible input choices. See the "Using the Input Button" description later in this section for more information.

ANTENNA In TV mode, lets you switch the source of the video signal from satellite signals to an off-air antenna or cable signal when using the OUT TO TV jack. In VCR mode, functions as a TV/VCR input button.

Transport Buttons (REVERSE, PLAY, FORWARD, RECORD, STOP, PAUSE) When programmed, these buttons are used to control an auxiliary device, such as a VCR or laserdisc player.

PIP buttons (PIP, SWAP, CH CTRL,) These buttons are not functional with this product.

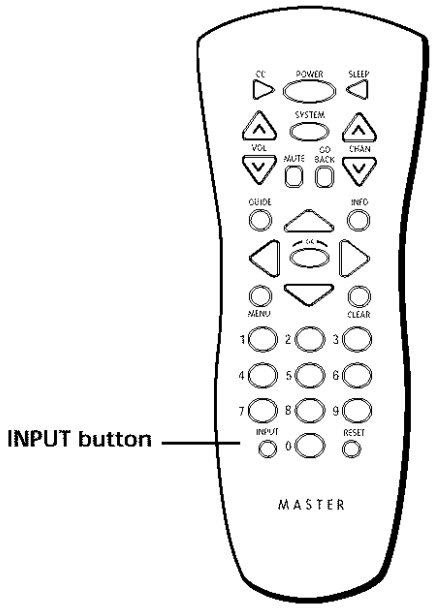
RESET Returns the picture to the original settings and displays the Picture Presets choice list.

USING THE REMOTE

USING THE INPUT BUTTON

In addition to a cable or antenna signal, you might have VCR, DVD, PC, Laserdisc, or other signals coming in to your TV (not all inputs available on all models). Use the INPUT or WHO•INPUT button to select the desired signal source.

1. Make sure that the component you want to view is turned on. If you are using a remote control with component buttons (TV, VCR, etc.) press TV to place the remote in TV mode.
2. Press INPUT until you have tuned to the desired input source.



Inputs and On-screen Displays

The Status Display shows which input signal(s) is active. The following table shows which display term usually corresponds with which input. See Autotuning under the Channel Menu description in the "Master Menus" section for more information on naming inputs.

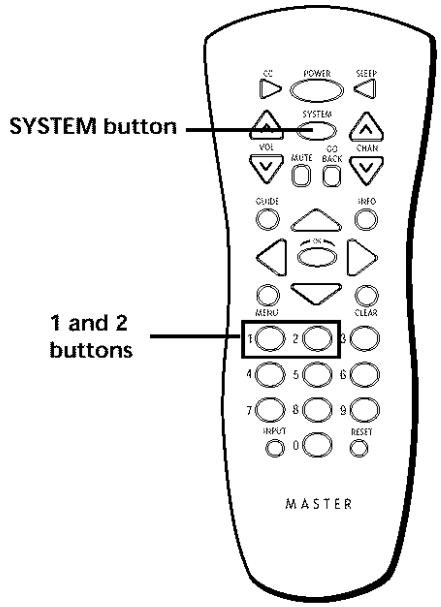
Input Signal	TV Display
ANTENNA/CABLE jack	(channel number)
A/V jacks	VID
S-VIDEO jack	SVID

USING THE SYSTEM BUTTON

When the television is connected to an interactive system or similar device, the SYSTEM button allows you to access system programming or other special functionality through the DSCI jack (formerly called "Smartplug").

The SYSTEM button can also allow independent remote control of two TVs. Once you have specified TV1 or TV2 status for the TVs (see the Access and Power Options description in the "Master Menus" section), follow these steps to tell the remote which TV you want to operate:

1. Simultaneously press and hold the SYSTEM button and 1 (for TV1) or 2 (for TV2).
2. After three seconds, release the buttons. The specified TV should now respond to that remote.
3. To control the other TV, simply repeat the process using the other (1 or 2) button.



USING THE REMOTE

UNIVERSAL REMOTE FEATURES

The CRK76TK1 remote can be programmed to control most brands of remote controllable components. The remote is already programmed to control most RCA, GE and PROSCAN components; it may need to be programmed to control other manufacturers' components.

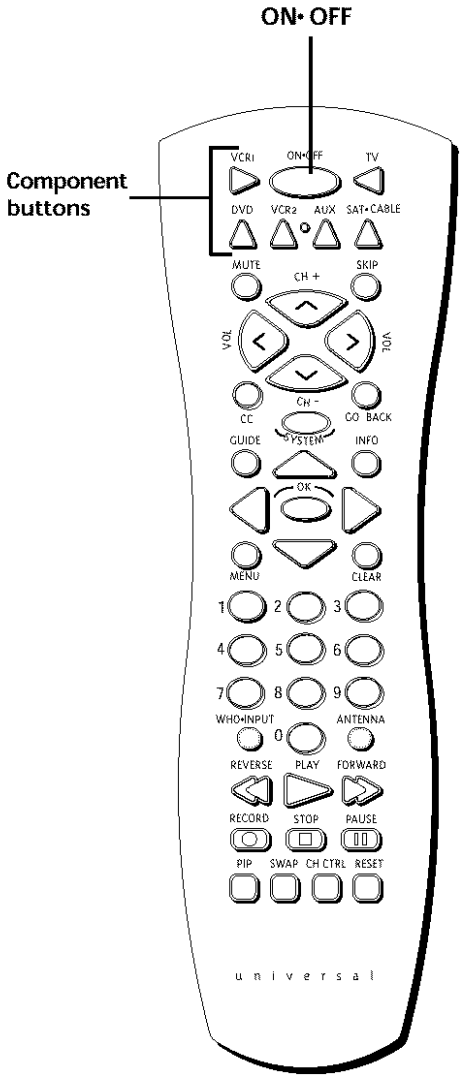
This remote control may not operate all models of all brands.

Testing the Universal Remote

To determine whether the universal remote control needs to be programmed, turn a component on, such as a VCR, point the remote at the VCR, and press the VCR button. Then press ON•OFF or CH ^/v to see if the VCR responds to the remote commands. If not, the remote needs to be programmed.

Programming the Universal Remote

1. Turn on the component to be programmed.
2. At the end of this section, look up the code list that corresponds to the component type and brand.
3. On your remote control, press and hold the component button you want to program.
4. Enter one four-digit code from the code list.
5. Release the component button, and then press ON•OFF to see if the component responds to the remote control commands. If it doesn't, try pressing the component button and then ON•OFF again.
6. If you get no response, repeat these steps using the next code listed for your brand, until the component responds to the remote control. If it does respond, you are ready to control that component with your universal remote.



CONTROLLING COMPONENTS

Once the remote has been programmed successfully, you are ready to use it to control your components. To operate the component:

1. Press the component button (TV, VCR1, DVD, VCR2, AUX, or SAT•CABLE) to put the remote into that component's mode.
2. Press ON•OFF to turn the component on or off.
3. Use the remote control buttons that apply to that component.

- If your remote is programmed to control a VCR, you only need to press the RECORD button to begin recording from video.

The RESET button on this remote functions the same as the Master remote RESET or Basic remote SKIP button.

Modes of Operation

Because this universal remote can control several different components (PC, VCR, cable box, etc.), it uses operational modes triggered by the component buttons. If you want the remote to control the TV, you must press the TV button to put the remote into TV mode first.

USING THE REMOTE

VCR

Admiral 2131
Adventura 2026
Aiko 2027
Aiwa 2002, 2026
Akai 2003, 2004, 2005, 2007, 2008, 2111,2112, 2113
American High 2021
Asha 2013
Audio Dynamics 2009, 2010
Audiovox 2014
Bell & Howell 2011
Beaumark 2013
Broksonic 2012, 2025
Calix 2014
Candle 2013, 2014, 2015, 2016, 2017, 2018, 2019
Canon 2021, 2022, 2114
Capehart 2020, 2110
Carver 2062
CCE 2027, 2061
Citizen 2013, 2014, 2015, 2016, 2017, 2018,2019,2027
Colortyme 2009
Colt 2061
Craig 2013, 2014, 2023, 2061
Curtis-Mathes ..... 2000, 2002, 2009, 2013, ... 2016, 2018, 2021, 2022, 2024, 2115
Cybernex 2013
Daewoo 2015, 2017, 2019,2025, 2026, 2027, 2028, 2110
Daytron 2110
Dbx 2009, 2010
Dimensia 2000
Dynatech 2002, 2026
Electrohome 2014, 2029
Electrophonic 2014
Emerson ..... 2002, 2012,2014, ... 2015, 2021, 2024, 2025,2026,2029, 2030, 2032, ... 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, .. 2042, 2044, 2045, 2047, 2065, 2105, 2113, 2116, 2117, 2130
Fisher 2011, 2023, 2048, 2049, 2050, 2051, 2052,2118
Fuji 2021, 2119
Funai 2002, 2026
Garrard 2026
GE 2000, 2001, 2013, 2021, 2022, 2053, 2115, 2120
Goldstar 2009, 2014, 2018, 2054, 2121
Gradiente 2026
Harley Davidson 2026
Harman Kardon 2009
Harwood 2061
Headquarter 2011
Hitachi 2002, 2055, 2056, 2057, 2107, 2111, 2120, 2122
HI-Q 2023
Instant Replay 2021
JCL 2021
JC Penney ..... 2009, 2010, 2011, 2013, 2014, 2021, ... 2022, 2055, 2056, 2058, 2059, 2060, 2107, 2118
Jensen 2055, 2056, 2111
JVC 2009, 2010, 2011, 2018, 2058, 2111, 2123
Kenwood 2009, 2010, 2011, 2016, 2018, 2058, 2111,2123
KLH 2061
Kodak 2014, 2021
Lloyd 2002, 2026
Logik 2061
LXI 2014
Magnavox 2021, 2022, 2062, 2063, 2104, 2108, 2124
Magnin 2013
Marantz ..... 2009, 2010, 2011, ... 2016, 2018, 2021, 2058, 2062,2064
Marta 2014
Masushita 2021
MEI 2021
Memorex ..... 2002, 2011, 2013, ... 2014, 2021, 2023, 2026, 2104, 2131
MGA 2029, 2065, 2113
MGN Technology 2013
Midland 2053
Minolta 2055, 2056, 2107
Mitsubishi ..... 2029, 2055, 2056, 2065, 2066, 2067, 2069, ... 2070, 2071, 2072, 2073, 2074, 2106, 2113, 2123
Montgomery Ward 2075, 2131
Motorola 2021,2131
MTC 2002, 2013, 2026
Multitech 2002, 2013, 2016, 2026, 2053, 2061
NEC ..... 2009, 2010, 2011, 2016, 2018, ... 2058, 2064, 2076, 2078, 2079, 2111, 2123
Nikko 2014
Noblex 2013
Olympus 2021
Optimus 2014, 2131
Optonica 2096
Orion 2035
Panasonic 2021, 2022, 2109, 2125, 2126, 2127
Pentax 2016, 2055, 2056, 2107, 2120
Pentex Research 2018
Philco 2021, 2022, 2062, 2063
Philips 2021, 2062, 2096, 2124
Pilot 2014
Pioneer 2010, 2055, 2080, 2081, 2123
Portland 2016, 2017, 2019, 2110
PROSCAN 2000, 2001
Protec 2061
Pulsar 2104
Quarter 2011
Quartz 2011
Quasar 2021, 2022, 2125
RCA ..... 2000, 2001, 2003, 2013, 2021, ... 2055, 2056, 2082, 2083, 2084,2085, 2086,2087, ... 2088, 2089, 2090, 2091, 2107, 2115, 2120, 2125
Radioshack/Realistic ..... 2002, 2011, 2013, 2014 ..... 2021, 2022, 2023, 2026, 2029, 2049, 2050, 2096, 2131
Radix 2014
Randex 2014
Ricoh 2128
Runco 2104
Samsung 2005, 2013, 2015, 2033, 2053, 2112
Sanky 2131, 2104
Sansui 2010, 2092, 2111, 2123
Sanyo 2011, 2013, 2023
Scott ... 2012, 2015, 2025, 2032, 2035, 2038, 2065, 2093, 2116
Sears ..... 2011, 2014, 2021, 2023, 2048, ... 2049, 2050, 2051, 2055, 2056, 2107, 2118
Sharp 2002, 2017, 2029, 2094, 2095, 2096, 2131
Shintom 2004, 2056, 2061, 2098
Shogun 2013
Signature 2002, 2131
Singer 2021, 2061, 2128
Sony 2002, 2004, 2098, 2099, 2119, 2128
STS 2021, 2107
Sylvania 2002, 2021, 2022, 2026, 2062, 2063, 2065, 2124
Symphonic 2002, 2026
Tandy 2002, 2011
Tashiko 2014
Tatung 2058, 2111
TEAC 2002, 2026, 2058, 2085, 2111
Technics 2021, 2109
Teknika 2002, 2014, 2021, 2026, 2100, 2129
TMK 2013, 2024, 2047
Toshiba 2015, 2049, 2051, 2055, 2065, 2093, 2116
ToteVision 2013, 2014
Unitech 2013
Vector Research 2009, 2010, 2015, 2016
Victor 2010
Video Concepts 2009, 2010, 2015, 2016, 2113
Videosonic 2013
Wards ..... 2002, 2013, 2014, 2015, 2021, 2023, 2026, 2029, .. 2055, 2056, 2061, 2096, 2101, 2102, 2103, 2107, 2116, 2131
XR-1000 ..... 2021, 2026, 2061
Yamaha 2009, 2010, 2011, 2018, 2058, 2111
Zenith 2004, 2098, 2104, 2119, 2128

Cable Boxes

ABC 5002, 5003, 5004, 5005, 5006, 5007, 5053
Antronix 5008, 5009
Archer 5008, 5009, 5010, 5011
Cabletenna 5008
Cableview 5008
Century 5011
Citizen 5011
Colour Voice 5012, 5013
Comtronics 5014, 5015
Contec 5016
Jasco 5011
Jerrold 5003, 5005, 5007,5018, 5023, 5024, 5046, 5053
Magnavox 5025
Memorex 5026
Movie Time 5002, 5027, 5028
NSC 5002, 5027, 5028
Oak 5002,5016, 5029
Panasonic 5048, 5052
Paragon 5026
Philips 5011, 5012, 5013, 5019,5025, 5030, 5031, 5032
Pioneer 5033, 5034
Pulsar 5026
RCA 5047, 5049, 5052
Realistic 5009, 5049
Regal 5022, 5035
Regency 5017
Rembrandt 5003
Runco 5026
Samsung 5014, 5034
Scientific Atlanta 5006, 5036, 5037, 5038
Signal 5014, 5018
Signature 5003
SL Marx 5014
Sprucer 5052
Starcom 5007, 5018, 5053
Stargate 5014, 5018
Starquest 5018
Tandy 5040
Teleview 5014
Tocom 5004, 5023, 5041
Toshiba 5026
Tusa 5018
TV86 5027
Unika 5008, 5009, 5011
United Artists 5002
United Cable 5053
Universal 5008, 5009, 5010, 5011
Videoway 5044
Viewstar 5015, 5025, 5027, 5040
Zenith 5026, 5050, 5051

Satellite Receivers

Chapparal 5056, 5057
Drake 5058, 5059
GE 5000, 5001
General Instruments 5060, 5061, 5062
Panasonic 5075
Primestar 5076
PROSCAN 5000, 5001
RCA 5000, 5001
Realistic 5063
Sony 5072
STS1 5064
STS2 5065
STS3 5066
STS4 5067
Toshiba 5068
Toshiba 5073
Uniden 5069

Audio

(for RCA and Dimensia brands only)

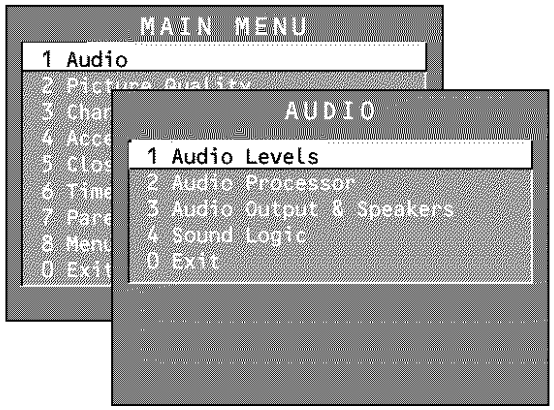
AM/FM 4003
Aux 4004
Phono 4005
CD 4007
Tape 4006

DVD Players

RCA, GE, PROSCAN 2001

MASTER MENUS

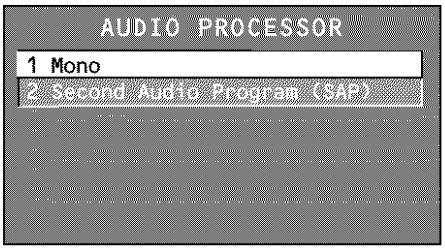
AUDIO MENU



Audio Levels Displays the slider controls for adjusting the TV's initial volume, maximum volume, balance, treble, and bass.

Initial volume sets the TV's volume to the specified level every time it is turned on. The maximum volume feature re-scales the volume control slider so that the far right position is always the maximum allowable volume (but not necessarily the maximum possible volume). In all models except the J20541, the Balance feature fades between left and right speakers. In the J20541, Balance fades between internal and external speakers.

Audio Processor Displays a choice list of available audio modes, which control the way the sound comes through your speakers.



Model J20541 will only feature these options under Audio Processor.

Expanded Stereo Electronically "widens" sound from stereo broadcasts, stereo VCRs, digital satellite systems, DVD players, and Laserdisc players for a fuller, more spacious sound. This choice will not be present if *Fixed Output, Speakers Off* is selected from *Audio Output & Speakers*. This feature is not available in model J20451.

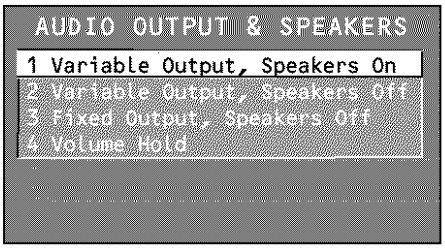
Stereo Splits the incoming stereo audio signal into left and right channels. Most TV programs and recorded materials have stereo audio. The TV displays the word STEREO when you tune to a program that is broadcast in stereo. This feature is not available in model J20451.

Mono Plays the sound in mono only (same signal sent to all speakers). Use this setting when receiving broadcasts with weak stereo signals.

Second Audio Program (SAP) Plays the program's audio in a second language, if one is available. The TV displays the word SAP when you tune to a program that is broadcast with SAP information. SAP audio is broadcast in mono. SAP is also used to broadcast a program's audio with descriptions of the video for the visually impaired.

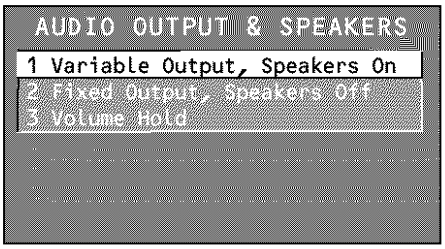
MASTER MENUS

Audio Output & Speakers Displays a choice list that lets you turn the TV's internal speakers on or off and set the audio outputs to fixed-level or variable control level.


AUDIO OUTPUT & SPEAKERS
1 Variable Output, Speakers On
2 Variable Output, Speakers Off
3 Fixed Output, Speakers Off
4 Volume Hold

Variable Output, Speakers On This setting turns the TV's speakers on and sets the variable output from the TV's audio output jacks, proportional to the volume setting.

Variable Output, Speakers Off* This setting turns the TV's speakers off and allows variable output from the TV's audio output jacks.

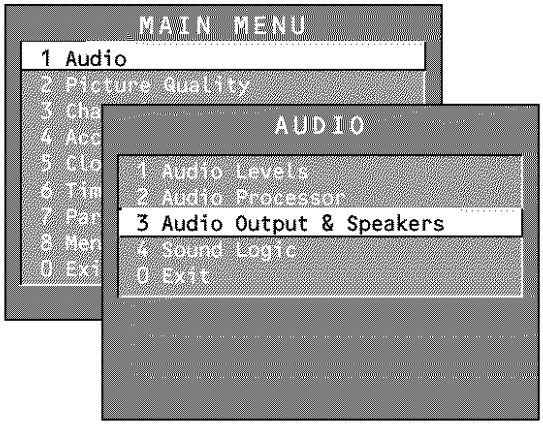


The Audio Output and Speakers menu on model J20541. Variable Output, Speakers Off is not an option on this model.

Fixed Output, Speakers Off This setting turns the TV's speakers off and allows fixed output from the TV's audio output jacks to an external device such as a surround sound amplifier. When this feature is turned on, the TV's volume control, tone controls, Expanded Stereo, and mute are disabled.

Volume Hold This setting turns the TV's speakers on and sets the audio outputs proportional to the current volume setting. When this feature is turned on, MUTE and other volume controls are disabled.

Sound Logic Turning this feature on reduces the annoying blasts in volume during commercial breaks, and also amplifies softer sounds in program material to create more consistent audio output.



For information on connecting speakers to your television, see the "Connections" section.

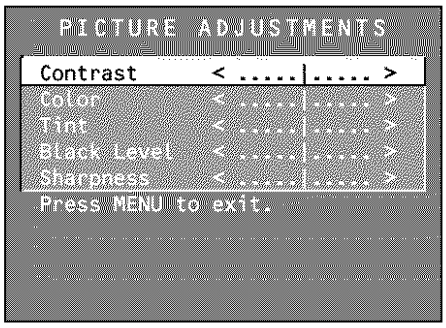
* This feature is not available on model J20541.

MASTER MENUS

PICTURE QUALITY MENU

The Picture Quality menu items allow you to adjust the appearance of on-screen images. Pressing RESET on the remote control returns all Picture Quality menu settings to their factory defaults.

Picture Adjustments Displays the five slider controls for adjusting the way the picture looks in the current video input source (this feature can be set differently for each video input source).



Contrast Adjusts the difference between the light and dark areas of the picture.

Color Adjusts the richness of the color.

Tint Adjusts the balance between the red and green levels.

Black Level Adjusts the brightness of the picture.

Sharpness Adjusts the crispness of edges in the picture.

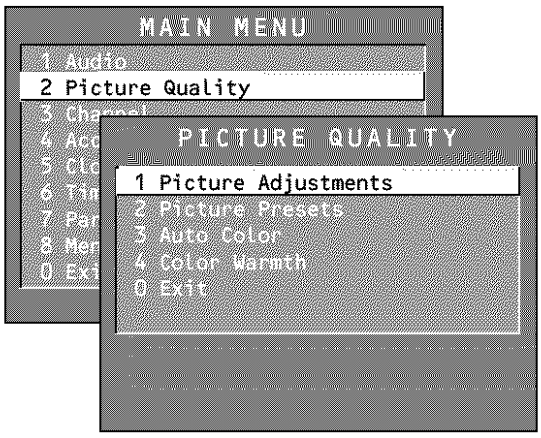
When exiting the Picture Adjustments menu, the *Save Custom Picture Preset* choice list appears. You can choose either *Yes* or *No*. If you save the settings as a Custom Picture Preset, the TV will store the settings so that you can select them quickly if someone changes the settings.

Picture Presets Displays a choice list that lets you select one of four preset picture settings: *Bright Lighting, Normal Lighting, Soft Lighting or Custom Picture Preset. Bright Lighting* is the default and will be selected if the RESET or SKIP button is pressed while in this menu.

Auto Color Displays a choice list that lets you turn on the feature that automatically corrects the color of the picture. (This is especially useful for tracking realistic flesh tone colors as you switch from channel to channel.) Choose *Off* or *On*, depending on your preference.

Color Warmth Displays a choice list that lets you set one of three automatic color adjustments: *Cool* for a more blue palette of picture colors; *Normal*; and *Warm* for a more red palette of picture colors. The warm setting corresponds to the NTSC standard of 6500 K.

Picture Tilt (Model J32430 only) The model J32430 TV has an extra-large picture tube, which makes it vulnerable to the effects of the Earth's magnetic field. You may need to adjust the picture tilt by using the left and right arrow buttons.



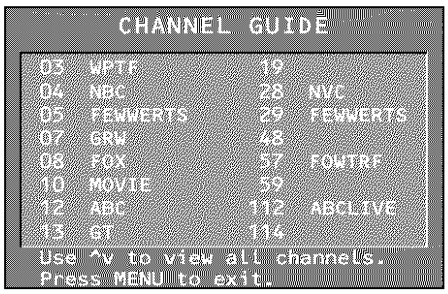
Note: Model J32430 will have a fifth option in the Picture Quality menu—Picture Tilt.

While in video, press the RESET button on a master remote to bring up the Picture Presets choice list. Point to the desired setting; press MENU or OK to select it.

MASTER MENUS

CHANNEL MENU

Channel Guide Displays the list of channels and their labels (if labelled) in the currently selected channel list.



Channel Selection Allows the master user to set the initial channel and to select which of the three channel lists will be accessible to the basic user.

Signal Source Displays a choice list that lets you select the current signal source and turn muting and blanking on or off for weak signals.

UHF/VHF Choose this if you are currently using an off-air antenna for TV signals.

Cable TV Choose this if you are currently using cable or a cable box for TV signals.

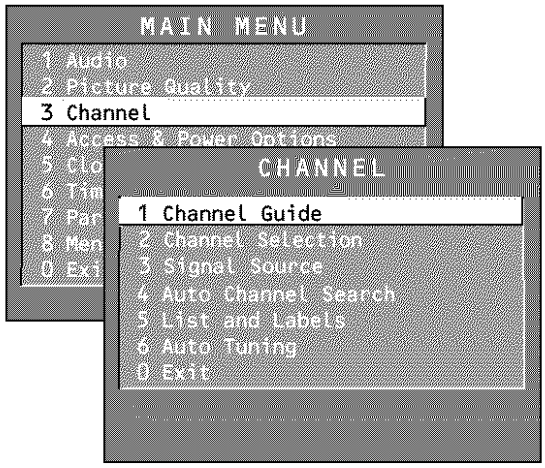
Auto Channel Search Tells the TV to search automatically for all the channels available through the antenna input. When the TV finds an active channel, it places it in the selected channel list; inactive channels (weak stations or channels with no signal at all) will be removed from that channel list.

List and Labels Displays a control panel that lets you edit the three channel lists and choose an eight-character label for each channel. Follow the on-screen directions to customize channel lists and labels. Note that pressing RESET or SKIP in the Lists and Labels menu returns the highlighted field to its default status.

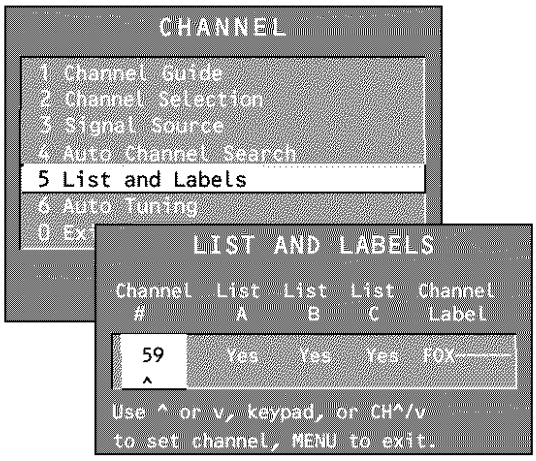
Channel Use the up and down arrows to scroll up and down through the channels available via your antenna. You can enter the channel number directly using the number buttons.

Lists A, B, and C Use the up and down arrows to indicate whether you want the channel number to be included in the highlighted channel list. Channels included in a list will be available to users when that list is active. Channels not included in the active list will not be accessible to users.

Channel Label Use the up and down arrows to enter a label of up to eight characters for each channel. Hold a button down to scroll quickly through the characters. Press RESET or SKIP to clear the currently highlighted label.



When the muting and blanking feature is on and a weak signal is received, video will be replaced by a grey screen with the message "Unusable Signal" and audio will be muted.


CHANNEL
1 Channel Guide
2 Channel Selection
3 Signal Source
4 Auto Channel Search
5 List and Labels
6 Auto Tuning
LIST AND LABELS
Channel # List A List B List C Channel Label
59 Yes Yes Yes FOX
Use ^ or v, keypad, or CH^/v to set channel, MENU to exit.

MASTER MENUS

Auto Tuning Displays a choice list that lets you set up the TV to automatically tune to the correct input channel when you press its component button (VCR1, DVD, VCR2, or SAT) on a universal remote. The autotuning feature will work with RCA, GE and PROSCAN components; it may not work with all models of other brands.

The component button choices are:

VCR1 Displays a choice list that lets you select the channel that the TV tunes to when you press the VCR1 button.

VCR2 Displays a choice list that lets you select the channel that the TV tunes to when you press the VCR2 button.

DVD Displays a choice list that lets you select the channel that the TV tunes to when you press the DVD button.

AUX Displays a choice list that lets you select the channel that the TV tunes to when you press the AUX button.

SAT Displays a choice list that lets you select the channel that the TV tunes to when you press the SAT (or SAT•CABLE) button.

The input channel choices are (not all choices available on all models) :

Ch 3 Choose this if your component is connected to the antenna jack on the back of the TV, and you want the TV to tune to channel 3 when you press the specified component button. Reminder: Make sure the component's Ch 3/4 switch is set to channel 3.

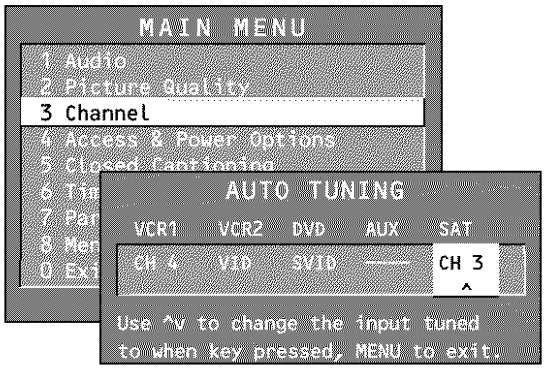
Ch 4 Choose this if your component is connected to the antenna jack on the back of the TV, and you want the TV to tune to channel 4 when you press the specified component button. Reminder: Make sure the component's Ch 3/4 switch is set to channel 4.

VID Choose this if your component is connected to the Audio and Video In jacks on the back of the TV and you want the TV to tune to the VID input channel when you press the specified component button.

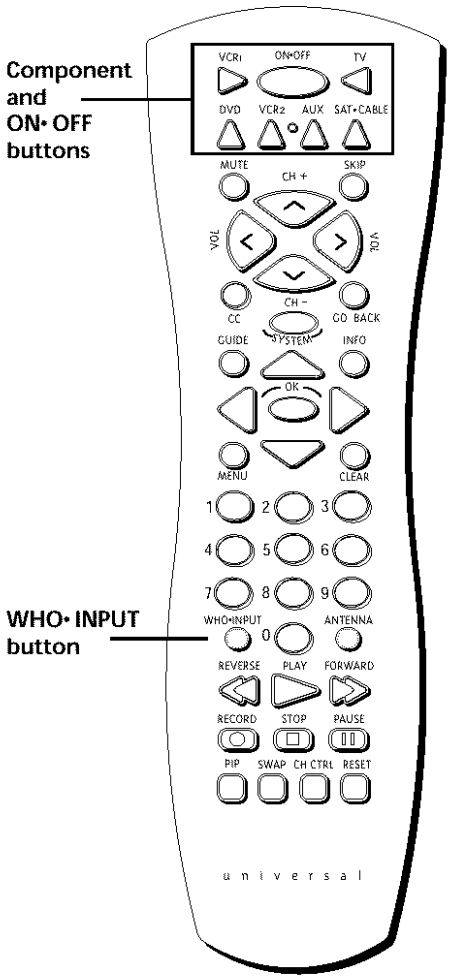
SVID Choose this if your component is connected to the S-VIDEO jack on the back of the TV and you want the TV to tune to the SVID input channel when you press the specified component button.

S-VHS, or Super-VHS, is an extended format of VHS and improves the picture quality of the signal passing through the S-VIDEO input.

Reminder: Make sure to also connect audio cables in order to get sound when using S-Video.

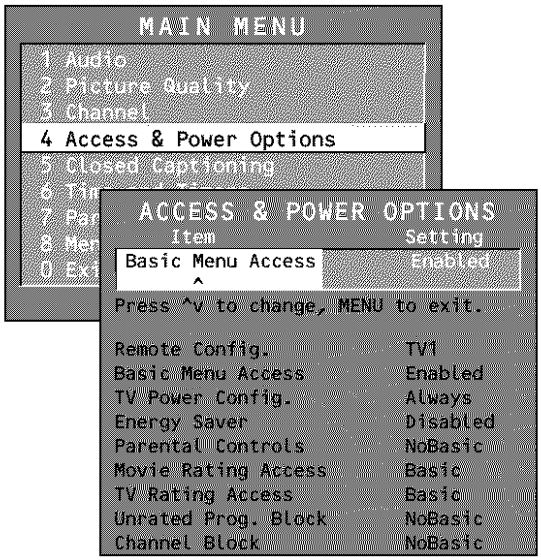

MAIN MENU
1 Audio
2 Picture Quality
3 Channel
4 Access & Power Options
AUTO TUNING
VCR1 VCR2 DVD AUX SAT
CH 4 VID SVID ---- CH 3
Use ^v to change the input tuned
to when key pressed, MENU to exit.

If a component button has not been programmed, it's input will appear as "----."



Remember that you can also press the WHO• INPUT or INPUT button on the remote to switch between the input signals.

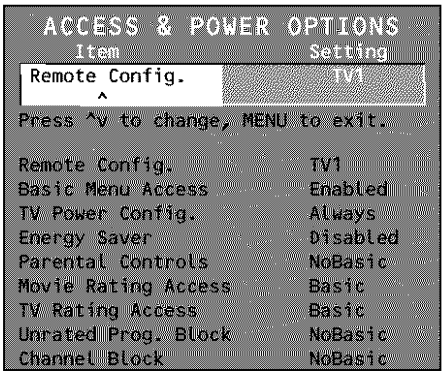
ACCESS & POWER OPTIONS



This control panel allows the master user to specify which features and functions basic users will be able to access. Red and green color coding shows each item's status:

- **Green** default setting
- **Red** change from default setting or unset password

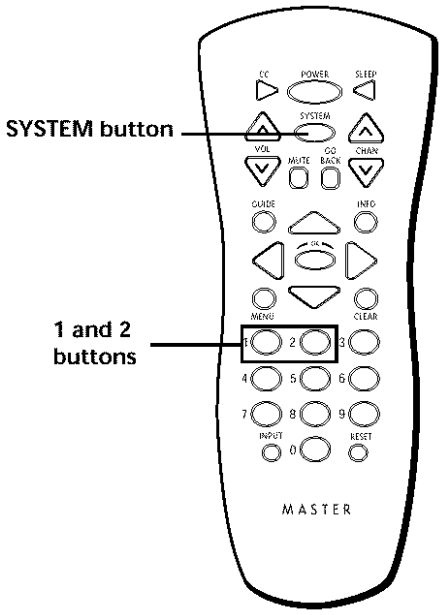
Remote Configuration This feature tells the TV under what circumstances to respond to remote control commands



TV1 This TV will only respond to a basic remote in TV1 mode.
TV1 or TV2 This TV will respond if the remote is in any mode.
TV2 This TV will only respond to a basic remote in TV2 mode.
Disabled This TV will not respond to a basic remote at all until this setting is changed by a master user.

Once you have assigned TV1 or TV2 status to your TVs, you will need to tell the remote which TV you want to operate:

1. Point the remote at the TV1 TV.
2. Simultaneously press and hold the SYSTEM and 1 buttons.
3. After three seconds, release the buttons. The TV1 TV should now respond to the remote.
4. To control a TV2 TV, simply repeat the process using the 2 button and a TV2 TV.



MASTER MENUS

Basic Menu Access This feature tells the TV to either enable or disable the basic menu. When the basic menu is disabled, users cannot access menus and some functions (Closed Captioning, Sleep, and Skip) through the basic remote or the front panel.

TV Power Configuration This feature determines whether the TV can be turned on and off with the POWER button on the remote or the front panel and whether the Energy Saver option is available.

Enabled The TV can be turned on or off; the Energy Saver can be enabled.

Always The TV cannot be turned on or off; all Energy Saver settings will be ignored.

Energy Saver Setting When enabled, this feature will turn the TV off after a specified period of disuse (no remote or front panel button presses). When disabled, the TV will not turn off automatically.

Parental Controls This feature determines the amount of access basic users have to Parental Controls:

- *Basic & Pwd* Basic users are able to enter the Parental Control menu and change the password. Basic users can watch blocked programming by entering the system password.
- *Basic* Basic users are able to enter the Parental Control menu but cannot change the password. Basic users can watch blocked programming by entering the system password.
- *NoBasic* Parental Control does not appear on the basic Main menu. Basic users can watch blocked programming by entering the system password.

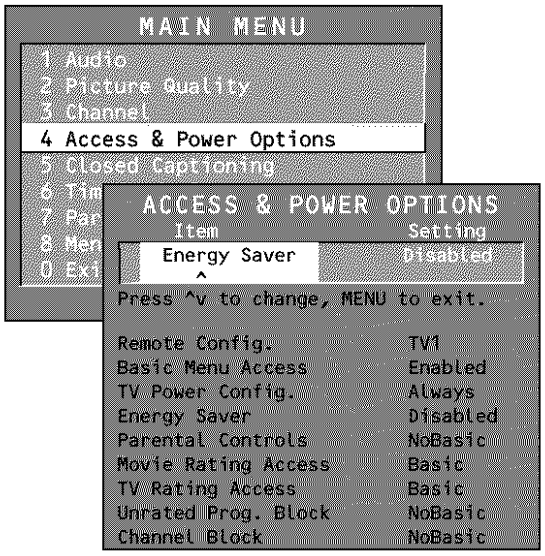
If Parental Controls is set to *NoBasic,* Movie Rating Access, TV Rating Access, Unrated Program Block, and Channel Block will not be available to basic users, regardless of what those items have been set to individually in Access and Power Options.

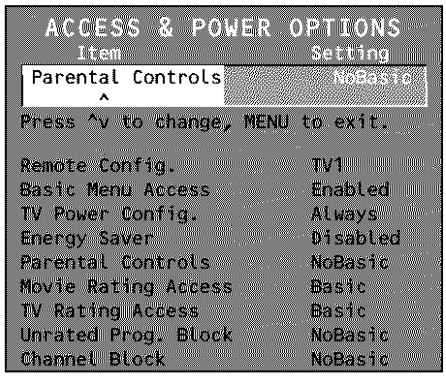
Movie Rating Access This feature determines whether the Movie Rating Limit screen is accessible through the basic menus or not.

TV Rating Access This feature determines whether the TV Rating Limit screen is accessible through the basic menus or not.

Unrated Program Block This feature determines whether the Unrated Program Block feature is accessible through the basic menus or not.

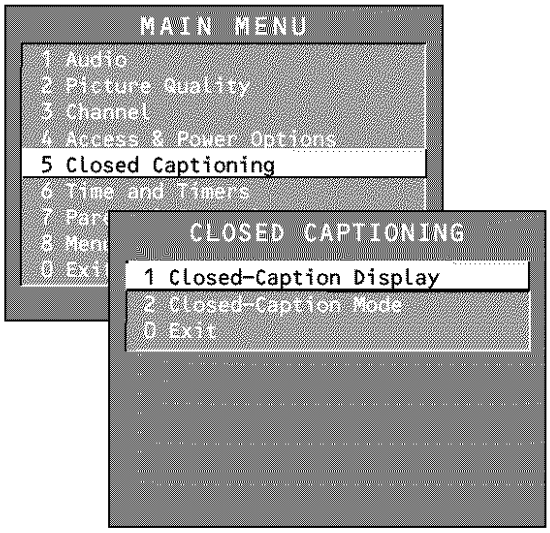
Channel Block This feature determines whether the Channel Block feature is accessible through the basic menus or not.





Pressing RESET on the remote will set the highlighted item to its default setting.

CLOSED CAPTIONING MENU

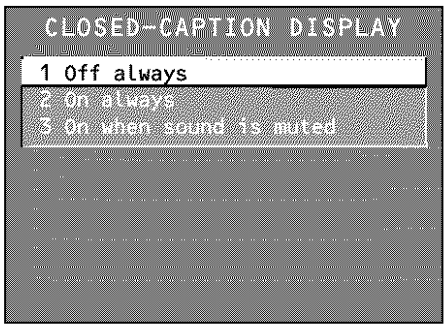


Many programs are encoded with closed captioning information, which lets you display the audio portion of a program as text on the TV screen. Closed-Caption Display allows you to choose when closed-captioning is displayed. Closed-Caption Modes allow you to choose how closed captioning is displayed.

Closed captioning is not available on all channels at all times. It only appears on specific programs encoded with closed captioning information. When a program is closed captioned, the letters "CC" are displayed in the Status Display. See the "References" section for more information about the Status Display.

Closed-Caption Display

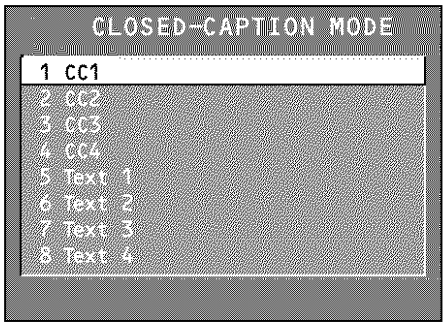
The Closed-Caption Display lets you choose when you want to have Closed Captioning on.



Closed-Caption Modes

Your TV offers eight closed-captioned modes, including four text modes. To set the Closed-Captioning Mode:

1. Select *Closed Captioning* from the Main menu.
2. Highlight *Closed-Caption Mode* and press OK. A choice list will appear:



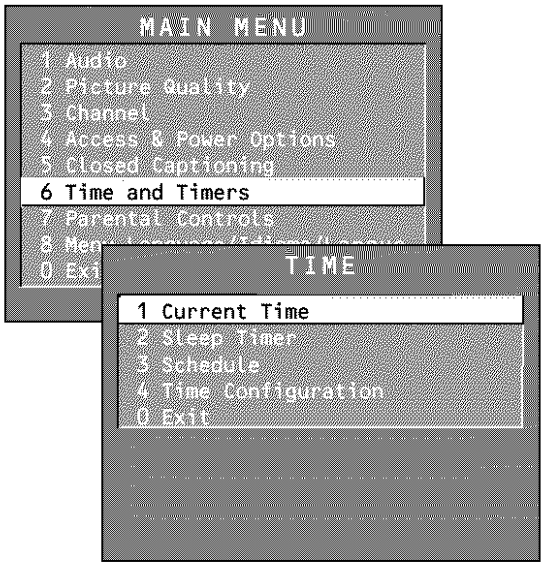
3. Point to your choice and press OK to select it and return to the Closed Captioning menu.

Note that when one of the text modes is selected, Closed Captioning leaves a black box on the screen at all times, even when no closed captioning information is being transmitted.

If you don't know which Closed-Caption Mode to use, select CC1. CC1 is probably the mode that is used in your area. CC2, CC3, and CC4 are reserved for foreign languages, and are rarely used at this time.

MASTER MENUS

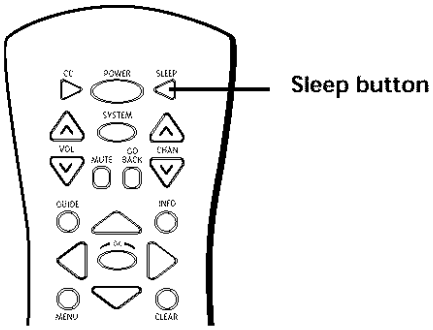
TIME AND TIMERS MENU



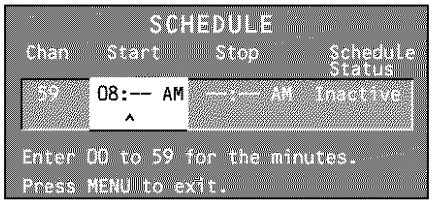
Current Time Enter the current time. The on-screen directions guide you through the steps needed to set the time. This feature is not accessible by basic users if *Time Configuration* is set to *Automatic* (unless an invalid time is received).

Sleep Timer Select the amount of time you want to give the TV before it shuts itself off. One minute before the scheduled shutoff, a warning will appear on the screen to let you know the Sleep Timer's status. When this message is present, any remote or front panel button press will turn the Sleep Timer off.

The Sleep Timer can also be accessed directly using the SLEEP button on the remote.



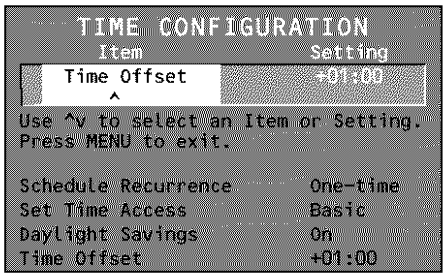
Schedule Set up a schedule for turning the TV on and off automatically. The on-screen directions guide you through the steps needed to set the schedule. (If the current time has not been set, you will be required to set it.)



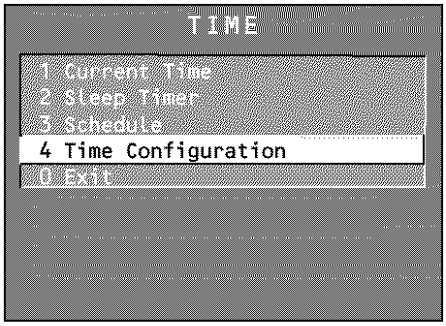
Note that pressing the RESET or SKIP button while in the Schedule control panel clears both the start and stop times and selects *Inactive* in the *Schedule Status* field.

MASTER MENUS

Time Configuration This control panel lets you control several time-related functions. Scroll to the feature you want to set in the *Item* field. Then, highlight the Setting field and scroll to select the setting you want for that item. Your choice should be reflected in the table at the bottom of the control panel.



Use the arrow and OK or MENU buttons on the remote to highlight and select your choices.



Schedule Recurrence Select what sort of access you want users to have to the scheduling function:

- *NoBasic* prevents the basic user from viewing or changing the Schedule menu item.
- *Recurring* this schedule will be in effect indefinitely; both the master and basic user can view and change the Schedule menu item.
- *One-time* this schedule will only be active once unless reset; both the master and basic user can view and change the Schedule menu item.

Set Time Access Select who is able to change the current time:

- *NoBasic* prevents the basic user from viewing or changing the Current Time menu item unless an invalid time is received. The basic user will still be able to view the current time in the Status Display if a time has been set.
- *Automatic* sets the time automatically using a time-set channel. Basic users can view the Current Time menu item, but cannot change it.
- *Basic* both the master and basic user can view and change the Current Time menu item.

Daylight Savings When on, tells the TV to automatically adjust for daylight savings time.

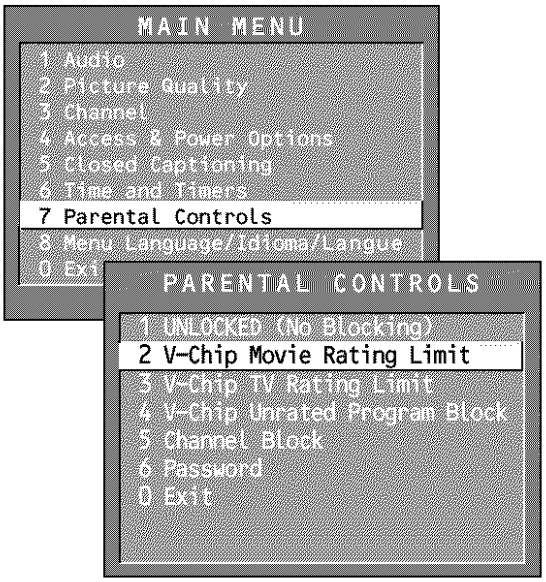
Time Offset Set an offset (from 0 to 24 hours) from the UCT.

Red and green color coding shows each item's status:

- **Green** default setting
- **Red** change from the default setting or an unset password

MASTER MENUS

PARENTAL CONTROLS MENU



The Parental Controls menu allows you to program your TV so that children cannot see certain programs, channels, or use the front panel controls.

The first three choices in the Parental Controls menu involve software inside your TV (dubbed V-Chip) which allows you to block TV programs and movies containing violence, sex, or other content you believe children should not view. Programs can be unblocked by entering a password.

The software inside your TV comes turned "off," so if you choose not to implement it, you can just ignore it.

When turned "on," the software reads a code that most broadcasters send with programs. That code tells the software the program's age-based rating (TV-MA, TV-14, etc.) and content themes (Violence (V), Adult Language (L), etc.).

If you have blocked the rating or content themes that the program contains, you will receive the message, "This channel is not approved for viewing." Broadcasters are not required to provide content themes, so programs received with no content themes will only be blocked if you block their age-based rating. You can also block movies that have been given a rating of "Not Rated," and programs that are considered "unrated" because no code has been sent by the broadcaster.

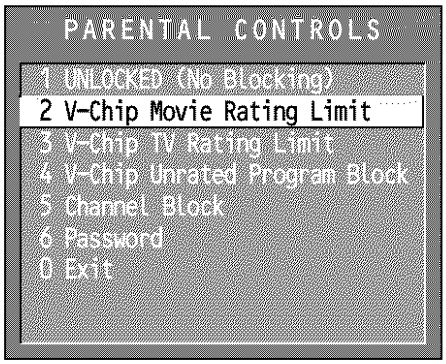
The TV age-based ratings and content themes you can block are listed in the table below.

Age-Based Rating	Description and Content Themes for Age-Based Ratings
TV-MA	Mature Audience Only. Specifically designed to be viewed by adults and may be unsuitable for children under 17. It contains one or more of the following content themes: **crude indecent language (L), explicit sexual activity (S), or graphic violence (V).**
TV-14	Parents Strongly Cautioned. Contains some material that many parents would find unsuitable for children under 14. Parents are strongly urged to exercise greater care in monitoring this program and are cautioned against letting children under the age of 14 watch unattended. This program contains one or more of the following content themes: **intensely suggestive dialogue (D), strong coarse language (L), intense sexual situations (S), or intense violence (V).**
TV-PG	Parental Guidance Suggested. Contains material that parents may find unsuitable for younger children. Many parents may want to watch it with their younger children. The program contains one or more of the following content themes: **some suggestive dialogue (D), infrequent coarse language (L), some sexual situations (S), or moderate violence (V).**
TV-G	General Audience. Most parents would find this program suitable for all ages. It contains **little or no sexual dialogue (D) or situations (S), no strong language (L), and little or no violence (V)**.
TV-Y7	Directed to Children 7 years and older. Designed for children ages 7 and above. It may be more appropriate for children who have acquired the developmental skills needed to distinguish between make-believe and reality. Themes and elements in this program may include mild **fantasy violence (FV)** or comedic violence, or may frighten children under the age of 7.
TV-Y	All Children. Themes and elements in this program are designed for a young audience, including children from ages 2-6. It is not expected to frighten younger children.

V-CHIP MOVIE RATING LIMIT

You set movie rating limits by blocking movies rated above a specified level. To access the V-Chip Movie Rating Limit menu:

1. Press MENU on the remote control (the TV Main menu appears).
2. Select Parental Controls (press 7).
3. Select V-Chip Movie Rating Limit (press 1).

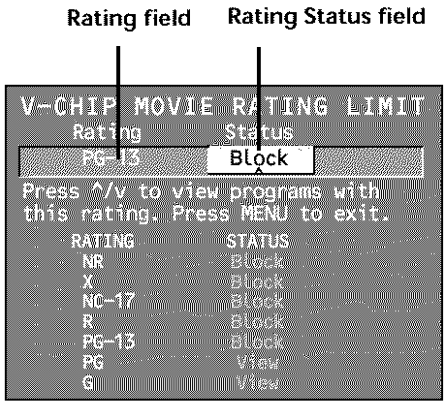


Blocking Movie Ratings

If you only want your child to watch movies that have a PG rating and lower (in other words, movies rated PG and G), you can automatically block all movies with higher ratings by doing the following:

1. Highlight the Rating field and press the up and down arrows to find the rating that is the lowest rating you do not want the child to watch. (In the example above, you would point to the rating status button corresponding to PG-13, since the highest rating you want the child to watch is PG.)
2. Use the right arrow to highlight the Rating Status field. Press the up and down arrows to change the button from *View* to *Block*. All higher ratings' *View* buttons will automatically change to *Block*.
3. Press OK to return to the menu or exit the screen.
4. If Parental Controls are not locked, you must lock them so the movie rating limits will take effect. See Locking Parental Controls, later in this section.

Movie and TV rating access can also be limited in the Access and Power Options menu.



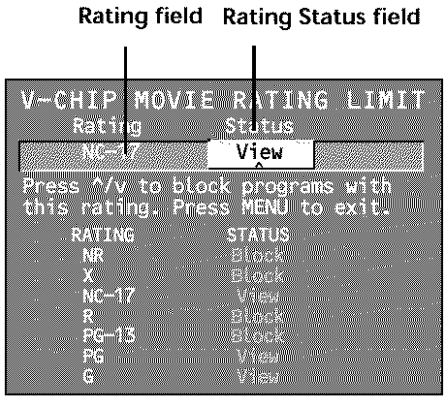
Viewing Movie Ratings

After you block movie ratings, you have the option of changing some of the Rating Status fields back to *View*:

1. Highlight the Rating field and press the up and down arrows to find the rating you want to view.
2. Use the right arrow to highlight the Rating Status field. Press the up and down arrows to change the button from *Block* (red) to *View* (green).

For example, if movies with a rating of PG-13 and higher are blocked, you can change the rating status for NC-17 back to *View*. Your child would then be able to watch all movies with a G, PG, or NC-17 rating.

3. Press MENU or OK to exit the screen, and be sure parental controls are locked (see Locking Parental Controls, later in this section).



Some movies may be given a Not Rated (NR) rating. After blocking movie ratings, you must set NR to *View* separately to view NR movies.

MASTER MENUS

V-CHIP TV RATING LIMIT

Movie and TV rating access can also be limited in the Access and Power Options menu.

The V-Chip TV Rating Limit lets you decide what TV programs can and cannot be viewed.
To set TV programming limits:

1. Choose *Parental Controls* from the Main menu. If Parental Controls have previously been locked, you must enter your password. If they are not locked, you will get a message reminding you that your limits will not be effective until you lock Parental Controls.
2. Press MENU to continue.
3. Highlight and select *V-Chip TV Rating Limit*.
4. Once you get to the V-Chip TV Rating Limit screen, use the arrows and OK on your remote to change the status of a TV program rating or content theme from *View* to *Block*.

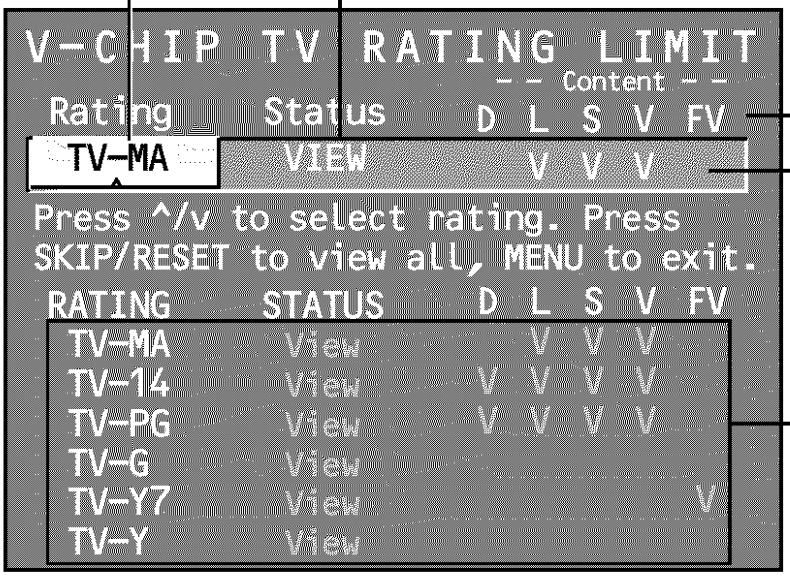
The following sections give you more details about how to change the status of TV program limits.

The Rating Limit Screen

Below is an example of where items are located within the Rating Limit screen.

Rating field
Lets you select from a list of age-based ratings you can block or view.

Rating Status field
Lets you select whether the status of the age-based rating limit to the left is *View* or *Block*.



Content Themes

Lists the content themes you can block or view.

Content Status fields

Lets you select which content themes to view (*V*, green) or block (*B*, red) for the selected rating.

Rating Settings area

Lets you see the current block/view state of age-based ratings and associated content. The *View* (*V*) settings are green, and the *Block* (*B*) settings are red.

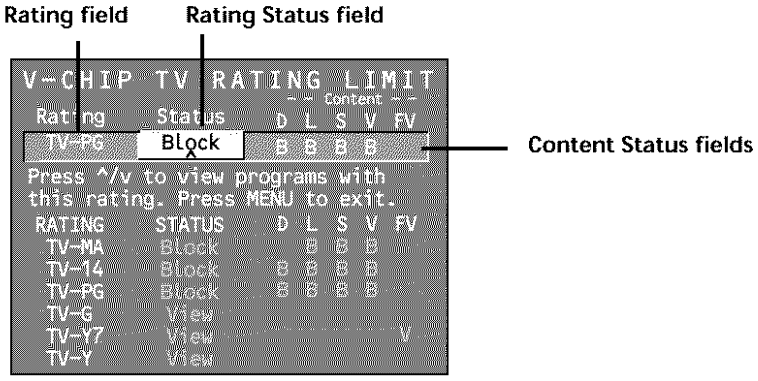
Blocking Age-Based Ratings

You can automatically block all program ratings above a specified age-based rating level. For example, if you only want your child to watch programs that have a TV-G rating and lower (in other words, you want the child to watch TV-G, TV-Y7, and TV-Y), then you need to block all programming with higher ratings.

To block programs with higher ratings:

1. First, determine the lowest level rating you do not want the child to watch.
2. Use the left and right arrows to highlight the Rating field.
3. Use the up and down arrows on the remote to scroll through the age-based rating limits. Keep scrolling until the rating corresponding with the lowest rating you do not want the child to watch appears.

   In the example discussed above, you would scroll through the choices in the Rating field until TV-PG appears, since the highest rating you want the child to watch is TV-G.
4. Use the right arrow to move the yellow highlight to the Rating Status field.
5. Press the up or down arrow to toggle between *View* and *Block*. The status for the rating listed to the left and all higher ratings automatically changes to *Block* (*B,* red).


Rating field
Rating Status field
V-CHIP TV RATING LIMIT
Content
Rating Status D L S V FV
TV-PG Block B B B B
Press ^/v to view programs with this rating. Press MENU to exit.
RATING STATUS D L S V FV
TV-MA Block B B B
TV-14 Block B B B B
TV-PG Block B B B B
TV-G View
TV-Y7 View V
TV-Y View
Content Status fields

6. Press MENU or OK on the remote to return to the menu or exit the screen when you are finished.
7. Select Lock Parental Controls from the Parental Controls menu. Enter a password, and if you have not already set your password, you will be prompted to enter it again to confirm.

When you change the status of a rating to *Block*, the system will automatically block higher ratings and all corresponding content themes.

Hierarchy of Age-Based Ratings

TV-MA	Mature Audience Only
TV-14	Parents Strongly Cautioned
TV-PG	Parental Guidance Suggested
TV-G	General Audience
TV-Y7	Directed to Children 7 Years and Older
TV-Y	All Children

Pressing RESET (on the master remote) or SKIP (on a basic remote) will reset all ratings to *View* and *V* (green).

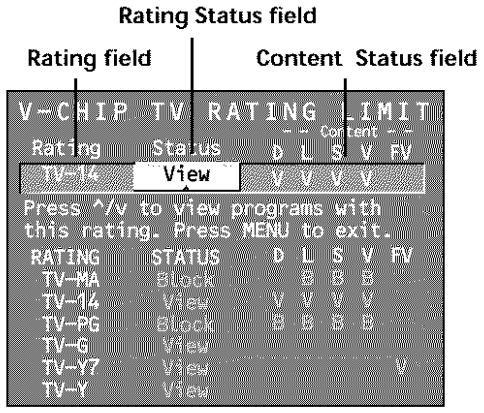
MASTER MENUS

Viewing Age-Based Ratings

After you block age-based ratings, you have the option of changing some of the ratings back to *View*.

1. Determine which blocked rating you want to view.
2. Use the left and right arrows to highlight the Rating field.
3. Use the up and down arrows to select the rating whose status is *Block*.
4. Press the right arrow to move the yellow highlight to the rating status field.
5. Press the up or down arrows to toggle between *View* and *Block*.

Note that the content status fields corresponding to the unblocked rating become *View* as well. They and the age-based rating status are the only fields that automatically change back to *View* when you complete this process.



You must remember to lock Parental Controls for rating limits to take effect.

Blocking Specific Content Themes

You can block programs based on their content. (Content is represented by the *D, L, S, V,* and *FV* on your screen. See the beginning of this section for details.) When you block a content theme for a particular rating, you automatically block that content theme for higher rated programs as well.

For example, if you do not want your child to watch programs that have adult language (L) rated TV-PG or higher, then you could block all programming TV-PG and above containing adult language.

To block program content:

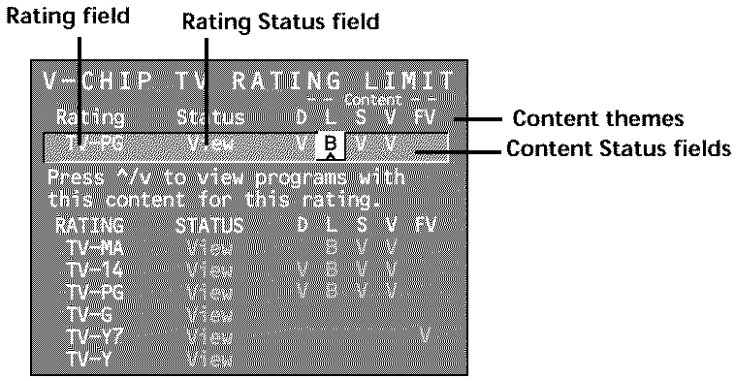
1. Determine the lowest level of content you do not want the child to watch.
2. Use the left and right arrows to highlight the Rating field.
3. Use the up and down arrows on the remote to scroll through the age-based ratings until the rating that corresponds with the lowest content you do not want the child to watch appears. (In the example above, you would scroll through the ratings until the TV-PG rating appeared.)
4. Press the right arrow to move the highlight to the field corresponding with the content theme you wish to block out.

Content Themes	
D	Sexually Explicit Dialogue
L	Adult Language
S	Sexual Situations
V	Violence
FV	Fantasy Violence

Broadcasters are not required to provide content themes or age-based ratings. Programs received with no content themes will only be blocked if you block their age-based rating.

5. Press the up or down arrow to change content status from *V* to *B*. All higher ratings' content theme will automatically change to *B*.

You must remember to lock Parental Controls for rating limits to take effect.


Rating field
Rating Status field
V-CHIP TV RATING LIMIT
Content
Rating Status D L S V FV
TV-PG View V B V V
Content themes
Content Status fields
Press ^/v to view programs with this content for this rating.
RATING STATUS D L S V FV
TV-MA View B V V
TV-14 View V B V V
TV-PG View V B V V
TV-G View
TV-Y7 View V
TV-Y View

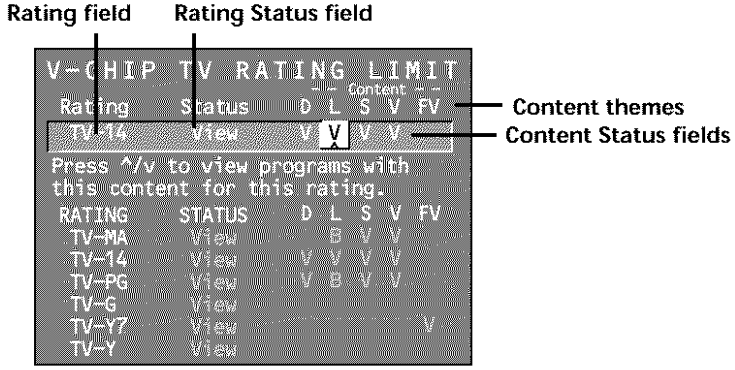
6. Press MENU or OK to return to the menu or exit the screen.

Pressing RESET or SKIP on the remote will reset all ratings to *View* and *V*.

Viewing Specific Content Themes

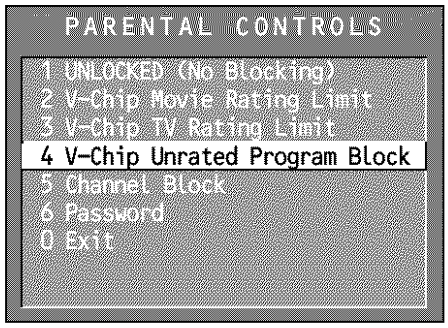
If you block specific Content Themes, you have the option of going back and changing some of the Content Themes back to *View* (*V*):

1. Determine the content themes you want to change to *View* (*V*).
2. Use the left and right arrows to highlight the Rating field.
3. Use the up and down arrows to scroll through the age-based ratings until the rating whose content theme you want to change to *View* appears.
4. Press the right arrow to move the yellow highlight to a particular content theme status, such as the *B* under language (L) corresponding with TV-14.
5. Press the up or down arrows to change its status back to *V*. Your child would then be able to watch programs with TV-14 adult language content, but not programs with TV-PG or TV-MA language content.

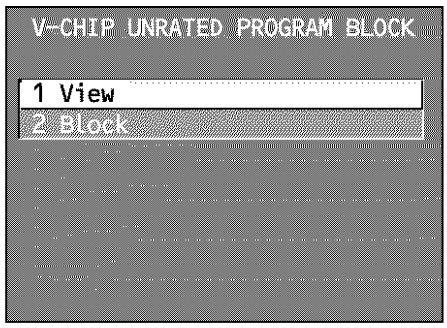

Rating field
Rating Status field
V-CHIP TV RATING LIMIT
Content
Rating Status D L S V FV
TV-14 View V V V V
Content themes
Content Status fields
Press ^/v to view programs with this content for this rating.
RATING STATUS D L S V FV
TV-MA View B V V
TV-14 View V V V V
TV-PG View V B V V
TV-G View
TV-Y7 View V
TV-Y View

Note that only the content theme status corresponding to TV-14 language (L) changes to *View* (*V*). Higher rated content themes, such as that for TV-MA language, do not change.

V-CHIP UNRATED PROGRAM BLOCK



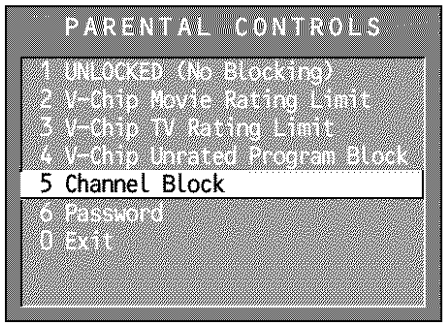
Selecting this option lets you decide if programs that the V-Chip recognizes as "unrated" can be viewed. Note that "unrated" TV programs may include news, sports, political, religious, local and weather programs, emergency bulletins, and public announcements. Also, the first few seconds of a rated program may be blocked due to a brief delay in the transmission of the rating.



View All unrated programs are available.
Block No unrated programs are available.

Don't forget to lock parental controls after you change the status of unrated program viewing. If you do not, the limit will not take effect.

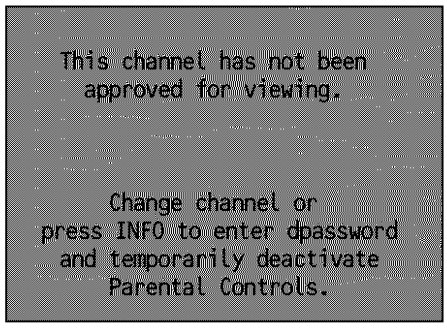
CHANNEL BLOCK



Selecting this option lets you decide what channels can be viewed.

View Makes the selected channel viewable.

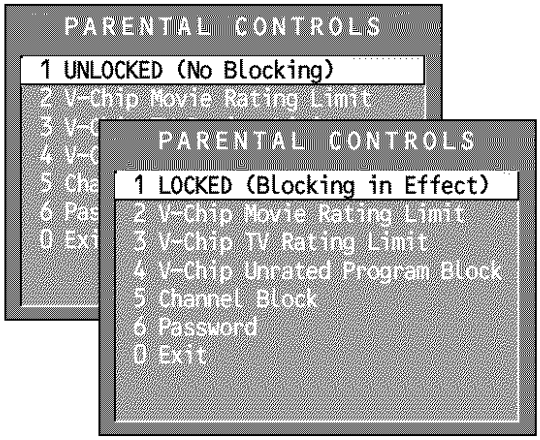
Block The front panel and remote control CH ^/v (channel up and down) buttons will tune only to channels that you have marked as *View.* The remote will still tune to the blocked channel if you use the digits to access the channel, but the audio will be muted and the video will be replaced with the Channel Block Warning Display:


This channel has not been approved for viewing.
Change channel or press INFO to enter dpassword and temporarily deactivate Parental Controls.

Don't forget to lock parental controls after you change the status of Channel Block. If you do not, the channel block will not take effect.

MASTER MENUS

LOCKED/UNLOCKED



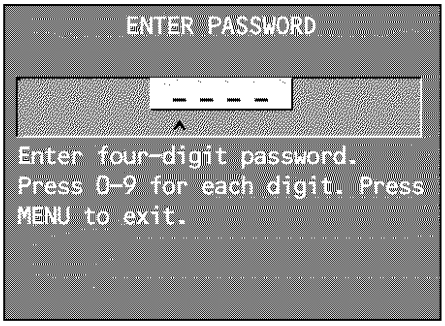
Selecting this option lets you lock and unlock parental controls settings using a password. Follow the on-screen instructions to lock or unlock blocked programming (the default password is 0000).

If you do not lock parental controls, none of the settings for V-Chip, Channel Block, or Front Panel Block will take effect.

If you forget your password, simultaneously press and hold GO BACK on the remote and MENU on the television's front panel for 3 seconds. Parental controls will then unlock and you can enter a new password.

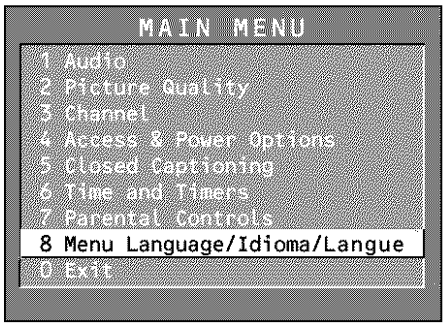
PASSWORD

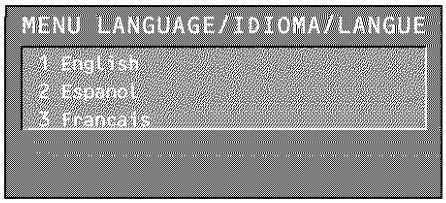
Selecting this option lets you specify a Parental Controls password (the default password is 0000).



MENU LANGUAGE

The Menu Language selection affects only the menus. It does not change the audio language. The menu language choices are: *English*, *Spanish* or *French*.

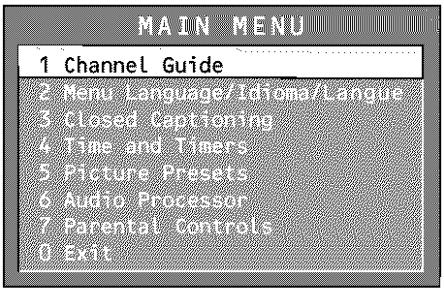




Choosing a menu language is not the same as choosing a Second Audio Program (SAP). See the description earlier in this section for more information.

BASIC MENUS

The basic menus are the green menus accessible through basic remote controls and the front panel. Which menu items are available will depend on what restrictions have been set by the master user. For instance, if *Basic Menu Access* has been set to *Disabled* in the Access and Power Options menu, the basic menus and many features will not be available. Also, except for some Parental Controls settings, many of the changes made in the basic menu will revert back to their master menu settings the next time the TV is turned on. Many of the basic menu items function exactly the same as their master menu counterparts. This section describes only what is different or unique about the basic menus. (See the "Quick Guide To the TV" and "Master Menus" sections for more details on the master menus.)



CHANNEL GUIDE

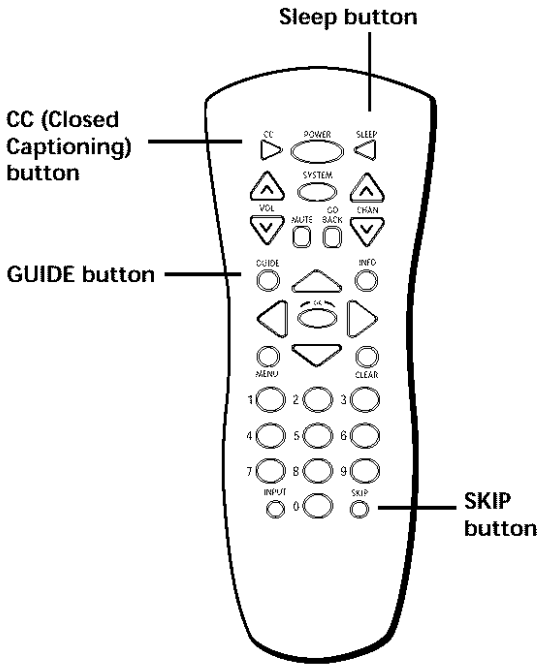
The basic menu's Channel Guide functions the same way as the master menu's Channel Guide. It is available by pressing the GUIDE button on the remote. See the "Master Menus" section for more information.

MENU LANGUAGE

Changing the menu language affects only the menus, not the audio language. The Menu Language choices are: *English*, *Spanish* or *French*.

CLOSED CAPTIONING MENU

This menu functions the same way as the Closed Captioning item in the master Channel menu. It is also available by pressing the CC button on the remote. See the "Master Menus" section for more information.



Basic users can access some menus directly using remote control buttons. Remember that the SKIP button on a basic remote functions the same as a RESET button on a master remote.

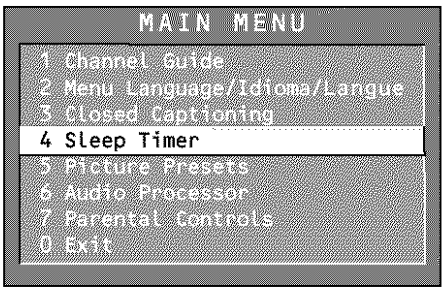
TIME AND TIMERS MENU OR SLEEP TIMER

The Time and Timers choice will not appear in the basic menu if the Schedule and Set Time features are disabled and the master user has not set the current time. Instead, Sleep Timer will be the fourth menu choice.

Current Time This choice will not be available if *Set Time* is disabled and the master user has not set the current time. This choice will be available but will not be able to be set if *Set Time* is disabled but the master user has set the time or if *Set Time* is set to *Automatic* (unless an invalid time is received).

Sleep Timer This feature will always be available. It may be directly accessed using the SLEEP button on the remote control.

Schedule This choice will not be available if Schedule has been disabled by the master user.

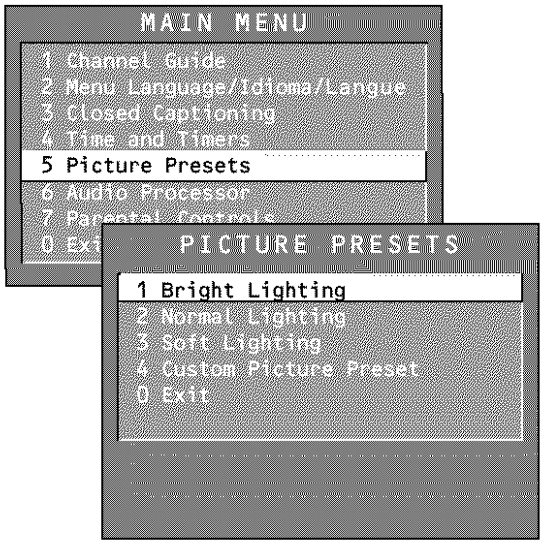


Basic Main menu showing Sleep Timer as the fourth option.

BASIC MENUS

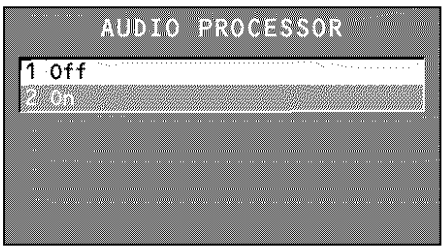
PICTURE PRESETS MENU

This menu functions very similarly to the *Picture Preset* item in the master Picture Quality menu. *Custom Picture Preset* will be available only if it has been set by the master user.



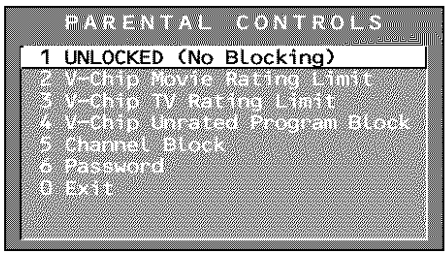
AUDIO PROCESSOR MENU

Selecting *On* in this menu has the same effect as selecting the *Second Audio Program (SAP)* choice in the master menu (*Audio, Audio Processor*). See the "Master Menus" section for more information.



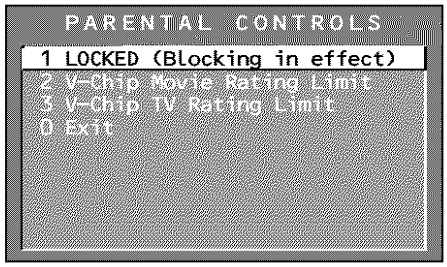
PARENTAL CONTROLS MENU

If the master user has selected *NoBasic* as the *Parental Controls* setting in the Access & Power Options menu, *Parental Controls* will not appear on the basic menu.



Otherwise, all accessible options will appear in the Parental Controls menu. If only one option is available, selecting *Parental Controls* will take the user directly into that option's control panel.

In the TV and Movie Rating control panels, pressing the SKIP button on a basic remote sets the highlighted rating to *View* (*V*, green). See the "Master Menus" section for more information.

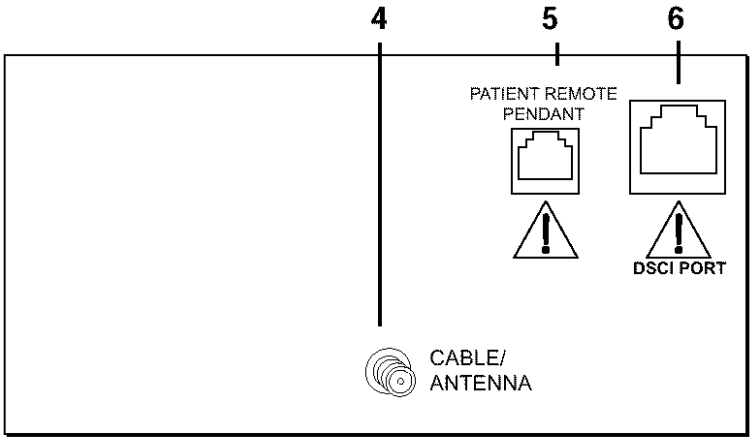


Parental Controls basic menu with options limited by master user.

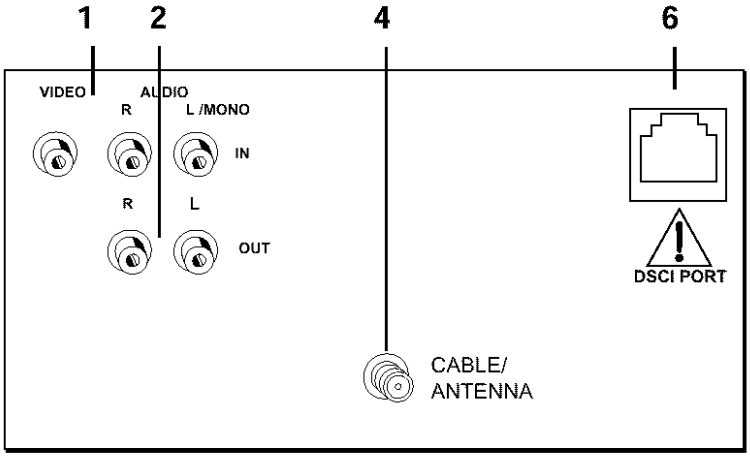
CONNECTIONS

BACK OF TV: BY MODEL

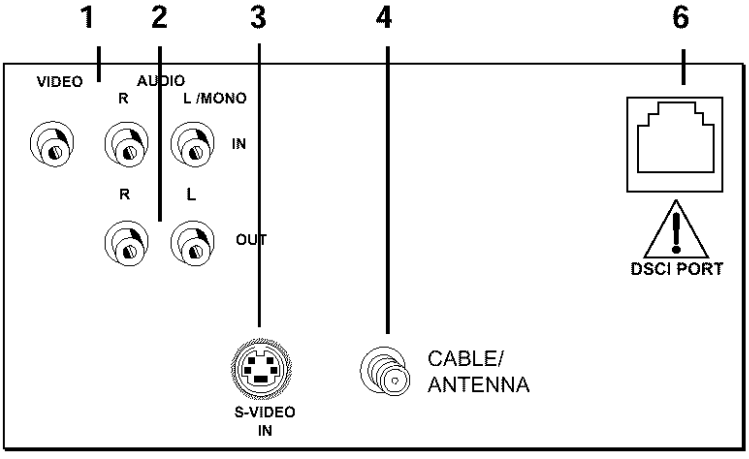
This manual covers TV models that have different back panels. Match the back panel of your TV to one of the back panels shown below.



Model J20541



Models J25420 and J20420



Models J32430 and J27430

1 VIDEO INPUT, AUDIO RIGHT and L/MONO IN Jacks

Used to connect video devices, such as VCRs, camcorders, laserdisc players, home computers or TV games with audio/video outputs.

2 AUDIO RIGHT and L/MONO OUT Jacks

Feeds stereo sound out from what is on the TV screen. Allows connection of an external audio amplifier and lets you adjust the sound level with the TV's remote.

3 S-VIDEO (S-VHS) Connector

Used to connect devices with S-Video capability (an S-Video cable is required). Remember to connect audio cables as well, because the S-Video cable carries only video. (For more information, see Auto Tuning in the "Master Menus" section.)

4 CABLE/ANTENNA Jack

Used to attach either a home antenna or cable system to your TV.

5 PATIENT REMOTE PENDANT

Used to link compatible external devices which allow for monitoring and changing the status and operation of the TV. The connector is a six-pin telephone-type jack.

6 DSCI PORT

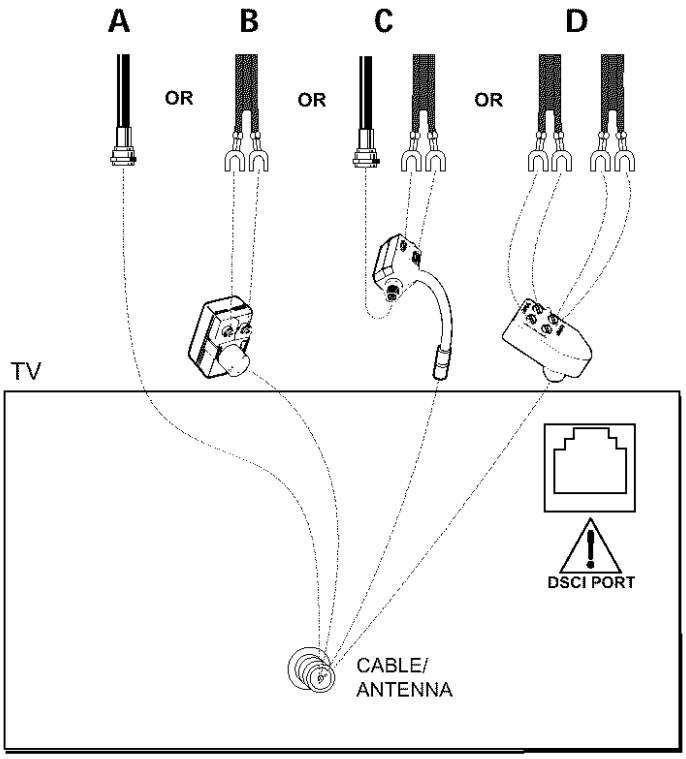
Formerly called a "Smartplug," this port is used to transfer information between a TV and other devices, such as a clone box or interactive system. This port is an eight-pin telephone-type. For more information on its connection and operation, please contact your distributor or the supplier of the interactive system.

CONNECTIONS

ANTENNA OR CABLE CONNECTION

(All models)

Match Your Type of Antenna or Cable



1. Use This Connection To:

Connect an indoor or outdoor antenna, or cable that does not require a cable box, to the TV.

2. Accessories Needed

Some antennas require an adapter. Use the diagram at the left to determine if one is needed.

3. Connect as Shown

A. Connect the antenna or cable to the TV using option A if the cable is a round, coaxial cable that carries only VHF or UHF.

B. Connect the antenna to the TV using option B if your cable is a flat, twin-lead cable that carries only VHF or UHF.

C. Connect the antenna to the TV using option C if the cable(s) are: one round, coaxial cable that carries VHF and one flat, twin-lead cable for UHF.

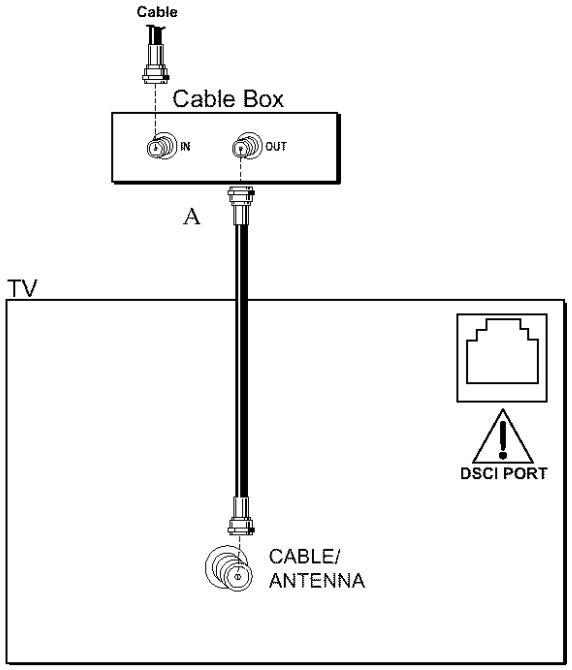
D. Connect the antenna to the TV using option D if the cables coming from the antenna(s) are two flat, twin-lead cables.

4. Follow the Steps in the " Quick Guide To the TV" Section.

CONNECTIONS

CABLE BOX CONNECTIONS

(All models)



1. Use This Connection To:

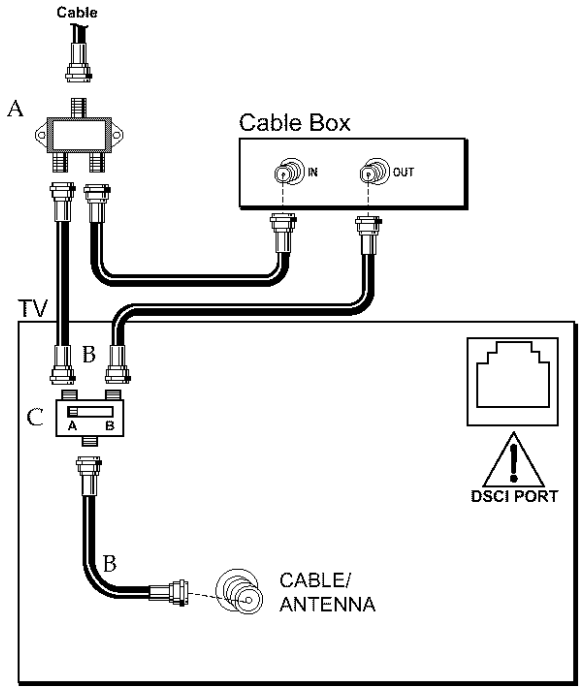
Connect a cable box that can be controlled using a remote.

2. Accessories Needed

A. One coaxial cable

3. Connect as Shown

4. Follow the Steps in the " Quick Guide To the TV" Section.



1. Use This Connection To:

Connect a cable box that cannot be controlled using a remote. This connection is usually used for premium channels such as Disney, Showtime, etc.

2. Accessories Needed

A. One signal splitter

B. Four coaxial cables

C. A-B switch

3. Connect as Shown

4. Operation

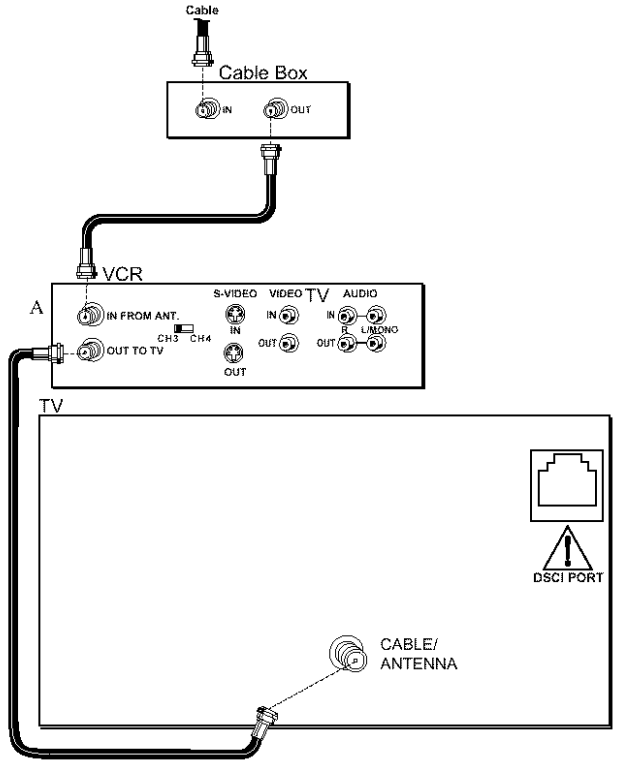
Place the A-B switch in the "A" position to watch non-cable box channels. Place the A-B switch in the "B" position to watch cable box channels. Remember to tune the TV to the cable box output channel (usually 2, 3 or 4).

5. Follow the Steps in the " Quick Guide To the TV" Section.

CONNECTIONS

CABLE BOX AND VCR BASIC CONNECTION

(All models)



1. Use This Connection To:

Connect a VCR cable box for premium channels.

2. Accessories Needed

A. Two coaxial cables

3. Connect as Shown

4. Operation

Tune the TV to the same channel as the position of the VCR's CH3/CH4 switch.

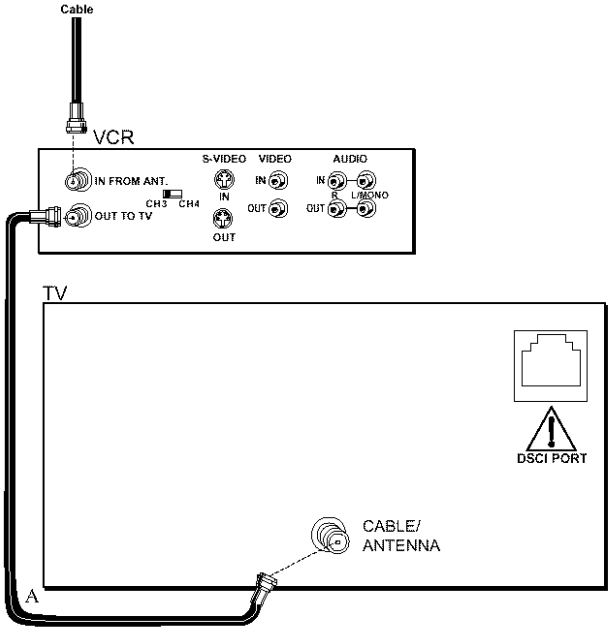
Tune the VCR to the output channel of the cable box, usually 2, 3, or 4.

Switch between the cable and VCR signals by pressing the TV/VCR button on the VCR.

5. Follow the Steps in the " Quick Guide To the TV" Section.

VCR BASIC CONNECTION

(All models)



1. Use This Connection To:

Connect a VCR to the TV.

2. Accessories Needed

A. One coaxial cable

3. Connect as Shown

4. Operation

Tune the TV to the same channel as the position of the VCR's CH3/CH4 switch.

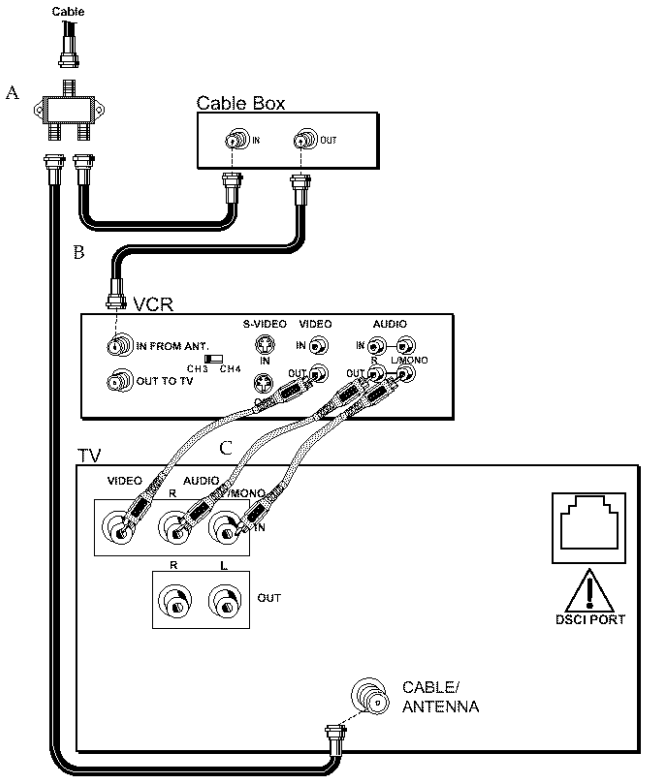
Switch between the cable and VCR signals by pressing the TV/VCR button on the VCR.

5. Follow the Steps in the " Quick Guide To the TV" Section.

CONNECTIONS

CABLE BOX AND VCR ADVANCED CONNECTION

(Does not work with model J20541)



1. Use This Connection To:

Connect a cable box for premium channels and a VCR.

Record a scrambled (premium) channel on the VCR at the same time you are watching an unscrambled channel through the TV.

2. Accessories Needed

A. One signal splitter

B. Three coaxial cables

C. Two audio/video cables for mono VCRs or three audio/video cables for stereo VCRs

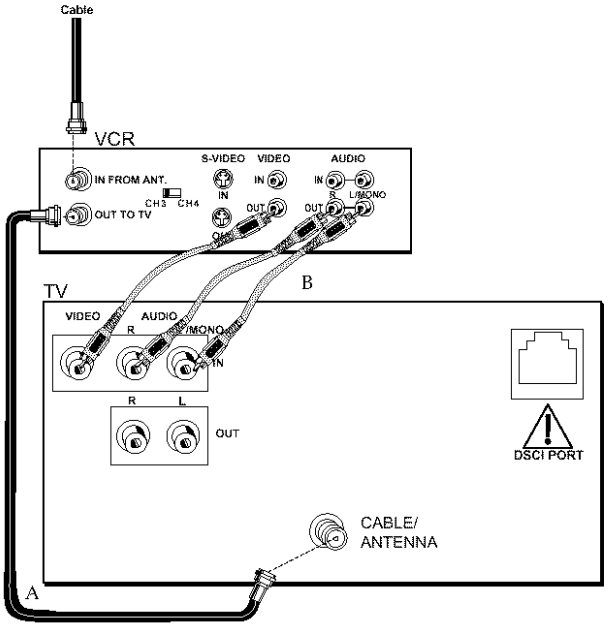
3. Connect as Shown

4. Operation

To record or watch premium channels, turn on the TV, VCR and cable box. Tune the TV to the video input (usually VID) to see the signal coming through the VCR. Then tune the VCR to the cable box output channel (usually 2, 3 or 4).

VCR INTERMEDIATE CONNECTION

(Does not work with model J20541)



5. Follow the Steps in the " Quick Guide To the TV" Section.

1. Use This Connection To:

Receive stereo broadcasts from a stereo VCR

Hear stereo playback from a stereo VCR

2. Accessories Needed

A. One coaxial cable

B. Two audio/video cables for mono VCRs or three audio/video cables for stereo VCRs

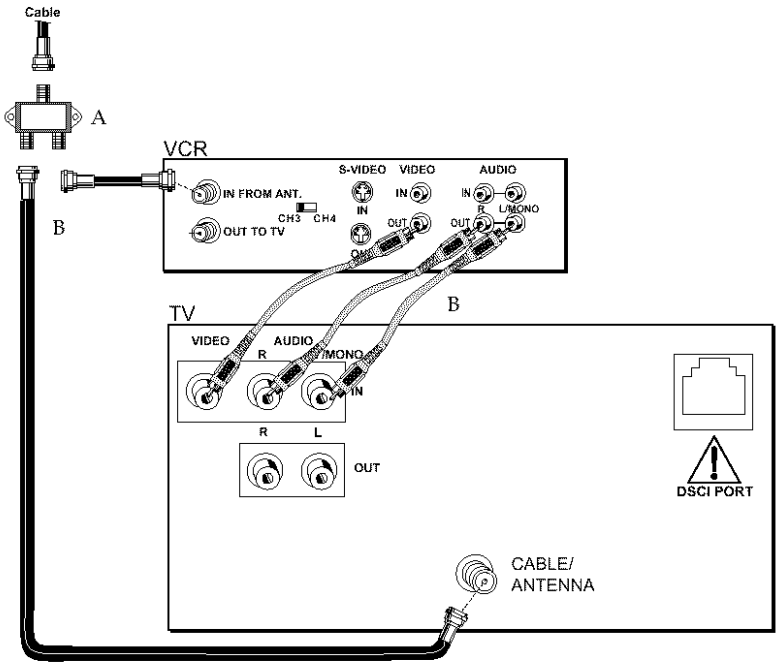
3. Connect as Shown

4. Follow the Steps in the " Quick Guide To the TV" Section.

CONNECTIONS

VCR ADVANCED CONNECTION

(Does not work with model J20541)



1. Use This Connection To:

Receive stereo broadcasts from a stereo VCR.

Hear stereo playback from a stereo VCR.

Record one channel with a VCR and watch a different channel on TV.

2. Accessories Needed

A. One signal splitter

B. Two coaxial cables

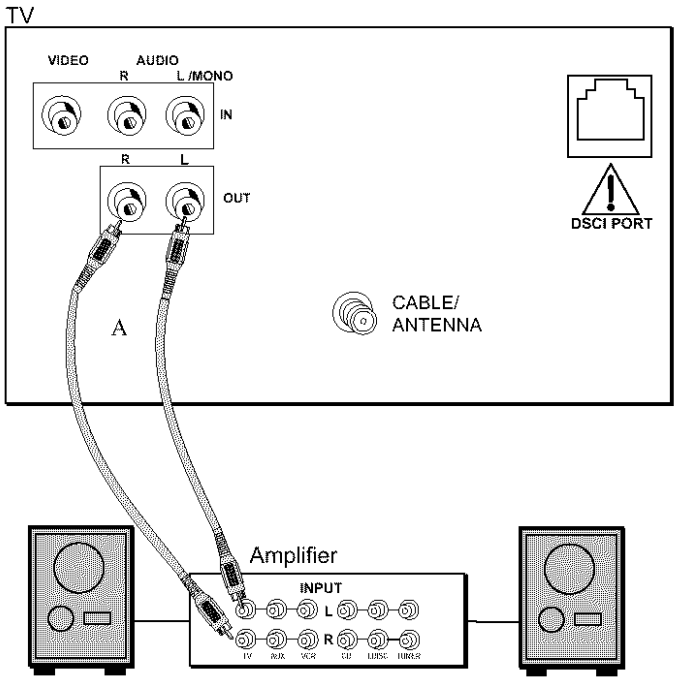
C. Two audio/video cables for mono VCRs or three audio/video cables for stereo VCRs

3. Connect as Shown

4. Follow the Steps in the "Quick Guide To the TV" Section.

AUDIO CONNECTION

(Does not work with model J20541)



Audio Cassette Recorder or Amplifier

Use this connection if your amplifier is not part of a system with its own remote. Consult the amplifier's owner's manual for the recommended hookup.

This TVs enhanced stereo imaging and effects work best when used with the TV's own speakers. If external speakers are used, this enhanced stereo effect may decrease.

1. Use This Connection to:

Adjust and mute amplifier volume with the TV's remote.

2. Accessories Needed:

A. Two audio/video cables

3. Connect as Shown

Connect the AUDIO OUT (RIGHT AND L/MONO) jacks to the corresponding input jacks on the stereo amplifier.

REFERENCES

FRONT PANEL

If you cannot locate your remote you can use the front panel of your TV to operate basic user features. For details on using buttons with menus, see the "Quick Guide To the TV" section.

If the Front Panel Block is on and Parental Controls are locked, these buttons will be disabled. See the "Master Menus" section for more information.

MENU Brings up the Main menu (basic). When in the menu system, it selects highlighted items.

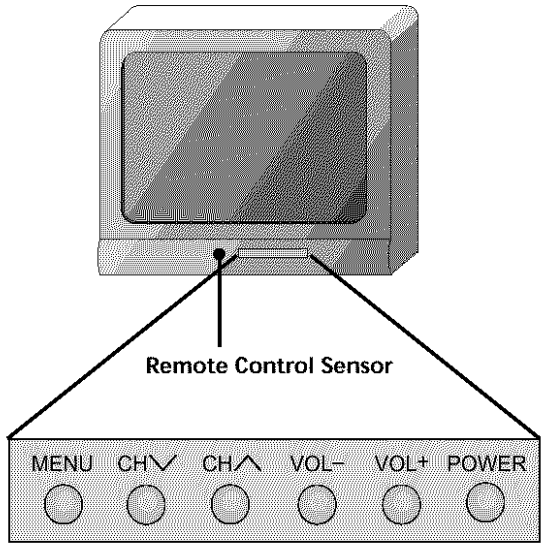
CH v Scans down through the channel list and brings up the basic status display. In the menu system, it points down to items and adjusts menu controls.

CH ^ Scans up through the channel list and brings up the basic status display. In the menu system, it points up to items and adjusts menu controls.

VOL - Decreases the volume. When in the menu system, VOL – is used to point left to items and adjust menu controls.

VOL + Increases the volume. When in the menu system, VOL + is used to point right to items and adjust menu controls.

POWER Turns the TV on and off.



The front panel above shows a typical button layout. The exact look of the buttons may be different from those on the front of your TV.

STATUS DISPLAYS

This display shows the status of several features. Several remote and front panel buttons trigger this display, including INFO and CH ^/v.

12:01:35 Displays the current time.

CC Displayed when Closed Captioning is available on the current channel.

ESPN Displays the label assigned to the current channel.

60 Displays the current channel or signal input (CH3, CH4, VID, SVID: not all inputs available on all models).

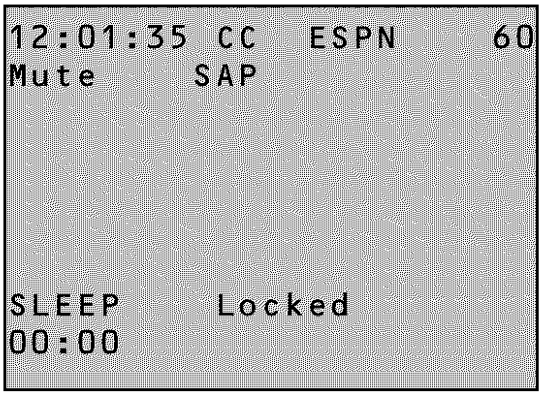
Mute (or Stereo) Mute is displayed when you mute the audio. Stereo is displayed when the current channel is broadcasting in Stereo.

SAP Displayed when the current channel is broadcasting SAP (Second Audio Program) information.

SLEEP Displayed when the Sleep Timer has been set.

Locked Displayed when Parental Controls are locked.

00:00 Displays time left on the commercial skip (SKIP) timer.



Sample Status Display.

TROUBLESHOOTING

Most problems you encounter with this TV can be fixed by consulting the following list. Unless otherwise specified, suggestions in this list refer to the master remote and menus. To contact the nearest RCA Service Center call 1-800-880-5966.

TV will not turn on

- Check to make sure it is plugged in.
- Check the wall receptacle (or extension cord) to make sure it is "live" by plugging in something else.
- Maybe batteries in remote control are "dead."
- Maybe remote control is not aimed at remote sensor.
- The front panel controls may be locked (disabled). Use a master remote control to unlock the front panel controls by selecting the *Front Panel Block* in the Access and Power Options menu and choosing *View*.

TV turns on or off unexpectedly

- The Scheduled Off or Scheduled On function may have been activated in the Time and Timers menu.
- An electronic protection circuit may have been activated because of a power surge. Wait 30 seconds and then turn on again. If this happens frequently, the voltage in your house may be abnormally high or low.
- The Sleep Timer or Energy Saver function may have turned the TV off.
- Unplug. Wait five minutes. Plug in again.

Problems with remote

- Maybe something is between the remote and the remote sensor.
- Maybe the remote is not aimed directly at the device you are trying to control.
- Operation of certain remote control buttons might be restricted by master menu settings.
- If using a remote with component buttons, maybe remote is not in TV mode. Press the TV button so remote will control TV. See also the Input signal problems description later in this section.
- Maybe remote is in wrong configuration (TV1 or TV2) for that TV. Check the *Remote Configurations* setting in the Access and Power Options menu. See the "Master Menus" section for more details.
- Maybe batteries in remote are weak, dead or installed incorrectly. Try replacing batteries. (If you have a programmable remote and remove the batteries, you may have to reprogram the remote to control other components.)
- Remove batteries and hold the 1 button for at least 60 seconds to drain the microprocessor inside the remote. Release the 1 button, replace the batteries, and (if necessary) reprogram the remote.

No picture or bad reception

- Try another channel.
- Check antenna connections.
- If watching video from an external component, make sure the component is connected to the input jacks and is turned on.
- Press RESET, in case the picture controls are set too low.
- If using a VCR (connected only through antenna input), make sure TV is tuned to channel 3 or 4—the same as CH3/4 switch on VCR.
- If using a VCR, check to make sure the TV/VCR button on the VCR is in the correct "mode."
- Weak Signal Muting and Blanking may be on (from the Main menu, select Channel Menu, then Signal Source)
- Try adjusting sharpness to improve weak signals (from the Main menu, select *Picture Quality*, then *Picture Adjustments*).

Black box appears on the screen

- Closed Captioning may be turned on and in text mode. Check the Closed-Caption Display control panel by pressing CC on the remote control or through the Main menu.

No sound, picture okay

- Maybe sound is muted. Try pressing the VOL ^ (up) button to restore sound.
- Maybe speakers are turned off. Check the Audio Output and Speakers control panel in the Audio menu.
- If using an S-VHS connection, remember to also connect the component's L and R AUDIO OUT jacks to the TV's L and R INPUT jacks.
- Maybe Maximum Volume is set very low. Check the Audio Levels control panel in the Audio menu.

Forgot password

- Simultaneously press and hold the GO BACK button on the remote and the MENU button on the TV's front panel for three seconds. The Parental Controls will now be unlocked and a new password can be assigned.

Noisy stereo reception

- May be a weak station. Select *Mono* in the Audio Processor control panel of the Audio menu.

REFERENCES

TROUBLESHOOTING

Can't select certain channel

- Channel may be blocked or not approved in the Parental Controls or Access and Power Options menu.
- Channels not in the current channel list cannot be accessed except through the master Channel menu.
- If using a VCR, check to make sure the TV/VCR button on the VCR is in the correct "mode."

Input signal problems

- Make sure that the input channel choice in the Auto Tuning menu matches the component's physical connection. For example, if you have set *VCR1* to *CH4* in AutoTuning, but the VCR is connected by Audio/ Video cables or an S-Video cable, you will see normal channel 4 programming when the VCR1 button is pressed. See the Auto Tuning description under Channel Menu in the "Master Menus" section for further instruction.

Rating limits don't work

- You must lock the parental controls (from the Main menu, select *Parental Controls*, then *Lock Parental Controls*).

Menu problems

- The *Basic Menu Access* function may be disabled in the *Access and Controls* menu.
- Menu access may be blocked by clone box programming.
- Try unplugging the TV for two minutes and then plug it back in and turn it on.
- The Energy Saver settings will not work if *TV Power* is set to *Always* in the Access and Power Options menu.
- The basic menu options might be restricted by master menu settings.

Program is blocked and it shouldn't be

- It may be a Not Rated (NR) movie. After you block movie ratings, you must set NR to View separately in order to view movies with an NR rating (from the Main menu, select *Parental Controls*, then *V-Chip Movie Rating Limit*).
- It may be an unrated television program. To unblock unrated television programs, select *Parental Controls* from the Main menu, then select *V-Chip TV Rating Limit* and set *unrated* to *V*.

CAUTION: If fixed (non-moving) images are left on the screen for long periods, they may be permanently imprinted on the picture tube. Such images include network logos, phone numbers, and video games. This damage is not covered by your warranty. Extended viewing of channels displaying these images should be avoided.

Care and Cleaning

CAUTION: Turn OFF your TV before cleaning.
You can clean the TV as required, using a soft lint-free cloth. Be sure to occasionally dust the ventilation slots in the cabinet to help assure adequate ventilation.

The TV's screen may be cleaned with a soft, lint-free cloth as well. Take care not to scratch or mar the screen. If necessary, you may use a cloth dampened with warm water.
Never use strong cleaning agents, such as ammonia-based cleaners, or abrasive powder. These types of cleaners will damage the TV.

While cleaning do not spray liquid directly on the screen, or allow liquid to run down the screen and inside the TV. Also, avoid placing drinks or vases with water on top of the TV. This could increase the risk of fire or shock hazard or damage to the TV.

WARRANTY

COMMERCIAL PRODUCTS LIMITED WARRANTY

What your warranty covers:	Any defect in materials or workmanship.
For how long after your purchase:	One year for labor charges. One year for parts. Two years for picture tube. (The warranty begins at time of first installation or 45 days after shipment, whichever comes first.)
What we will do:	Pay any Authorized RCA Commercial Television Service Center the labor charges to repair your television. Pay any Authorized RCA Commercial Television Service Center for the new or, at our option, refurbished replacement parts and picture tube required to repair your television.
How you get service:	Request service from any Authorized RCA Commercial Television Service Center at your place of business. To identify your nearest Authorized RCA Commercial Television Service Center, ask your distributor, look in the Yellow Pages, or call 1-800-880-5966. Show the Authorized Service Center Representative your sales receipt or other evidence of purchase date or first rental.
What your warranty does not cover:	Customer instruction. (Your Owner's Manual clearly describes how to install, adjust, and operate your television. Any additional information should be obtained from your distributor.) Installation and related adjustments. Acts of God, such as, but not limited to lightning damage. Signal reception problems not caused by your television. Damage from misuse or neglect. Batteries. Images burnt onto the screen. A television that has been modified or incorporated into other products. A television purchased or serviced outside the USA. In-room service.
Product registration:	Please complete and mail the Product Registration Card packed with your TV. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.
How state law relates to this warranty:	This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.
If you purchased your product outside the USA:	This warranty does not apply. Contact your distributor for warranty information.

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CREATING A GREENER FUTURE

At Thomson Consumer Electronics we are dedicated to the preservation of our natural heritage and to a healthy and safe way of life for current and future generations. This is a global effort which encompasses every THOMSON facility throughout the world.

We believe that clean air, clean water, a protected earth, and healthy people are not only practical and desirable goals, but achievable ones as well. Our Corporate Environmental, Health and Safety Charter acknowledges our commitment to protect these precious assets and provides a challenging vision and guideline for conducting our business.

Below are a few examples of Thomson's achievements in our efforts to preserve our natural resources.

THE EARTH

Thomson reclaims millions of pounds of hazardous waste annually, diverting it from landfills.

Thomson treats millions of pounds of waste water sludge annually and renders it nonhazardous.

Thomson recycles over 50 million pounds of nonhazardous material annually that otherwise would have been treated as trash, an overall recovery rate of 50%.

Thomson globally recycles millions of pounds of broken television picture tube glass annually through both internal and external reclaim processes.

THE AIR

Thomson has replaced solvent-based paints at many locations resulting in an 80% reduction in toxic air emissions for equivalent material used.

Thomson has eliminated the use of ozone-depleting substances at television manufacturing facilities around the world.

Thomson collects and returns over 1.5 million pounds of glass and furnace dust to the glass making process annually.

Thomson has launched worldwide energy savings programs which contribute to efforts to reduce air emissions from electrical generating facilities.

THE WATER

Thomson recovers over 2 million pounds of fine glass particles from process water each year and recycles them back into its glass furnaces.

Thomson's state-of-the-art waste water treatment plants filter out over 26 million pounds of solids from process water each year.

Thomson's U.S. glass factory recycles 2,500 gallons of water per minute and cleans 2.6 million gallons of water per day.

Thomson is researching new processes and is developing new manufacturing equipment and technologies to further reduce large volume water use.

Thomson has also increased its usage of recycled materials for packaging of our products. For example, in Mexico our television plants use recycled content in our television cartons and instruction booklets. The inks used for the print on cartons and instruction booklets are soy based. For a free brochure regarding Thomson's Environmental Health and Safety Programs, write to Thomson Consumer Electronics' address below, attention Environmental Programs: INH340.

Please do not send any products to the Indianapolis address listed in this manual or on the carton. This will only add delays in service for your product.

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